

erwin DI Suite

Test Manager

Quick Start User Guide 9.3

About Test Manager

The Test Manager® module provides the ability to maintain test cases across projects and metadata levels. You can add, edit and clone the test cases specific to each map and import and export the test cases using standard excel format. The Test Manager® module also provides consolidated reports and advanced dashboards that lets you manage your test cases.

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Manage Test Cases at Project Level:

Click on the Module Launchpad icon  on the top left corner and click on “Mapping Manager” icon in the Launchpad menu to access the Mapping Manager module.

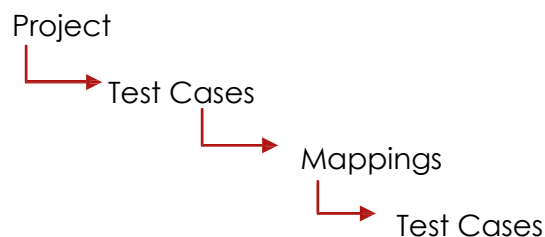


Click the **Mapping Manager** Icon

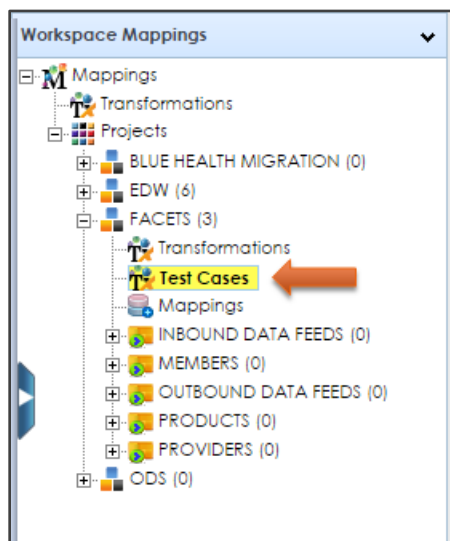
Once you click on the Mapping manager icon, It displays the 'Project Summary grid' which gives you a detailed overview of all the projects and its corresponding mapping count respective to each project and the 'Project and Workspace Mappings' grid (the left most frame) where the transformations, projects, test cases and mappings are stored in the 'project tree'

Workspace Mappings		Project Summary								
<div> <div>Mappings</div> <div>Transformations</div> <div>Projects</div> <div>ADS (1)</div> <div>Transformations</div> <div>Test Cases</div> <div>Mappings</div> <div>EDW (0)</div> <div>TEST PROJECT (0)</div> </div>	#	Project Name	Project Description	Project Owner	Subjects Count	Mapping Count	Created By	Created Date Time	Last Modified By	Last Modified Date Time
	1	EDW			0	0	Administrator	2015-02-09 21:37:05.93	Administrator	2015-02-09 21:37:05.93
	2	ADS			0	1	Administrator	2015-02-09 21:37:12.093	Administrator	2015-02-09 21:37:12.093
	3	TEST PROJECT			0	0	Administrator	2015-02-09 21:37:27.887	Administrator	2015-02-09 21:37:27.887

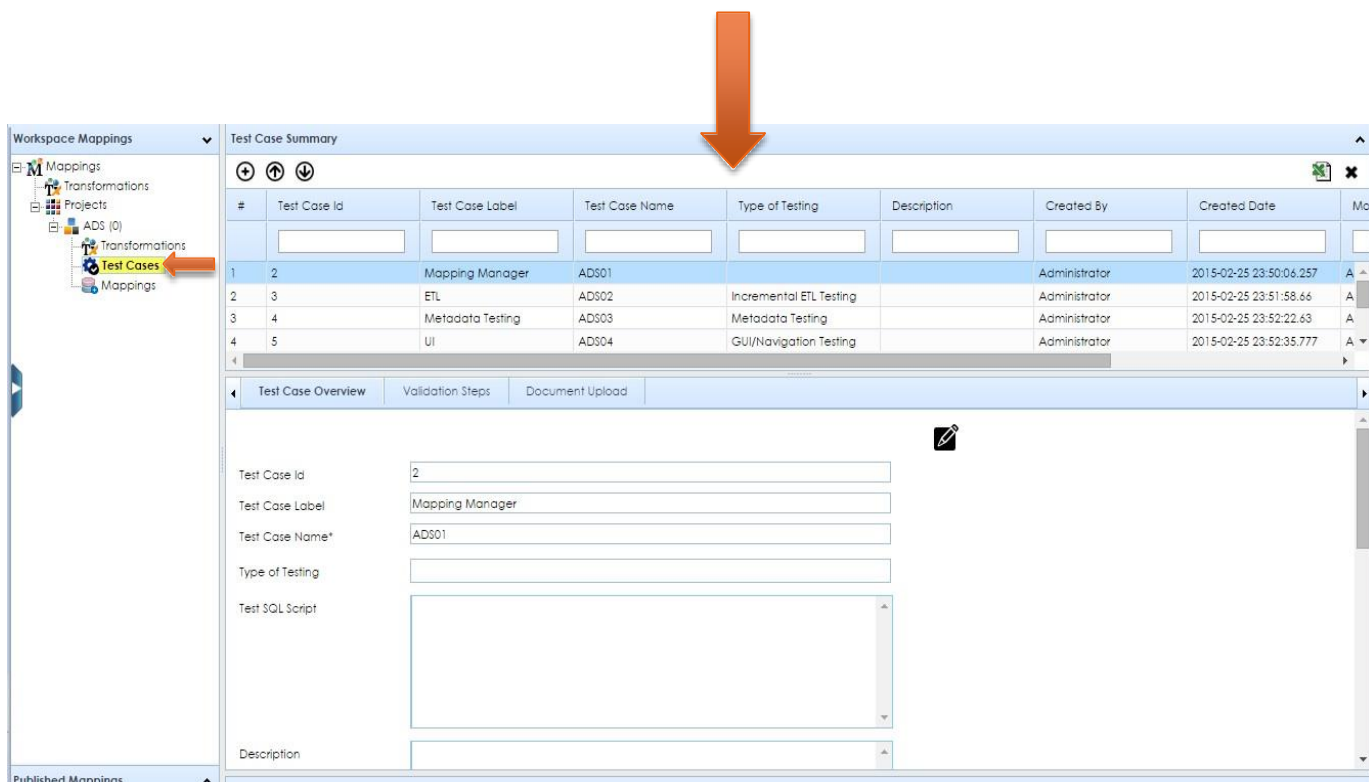
The following hierarchy is maintained in the Project tree



Click on 'Test Cases' node under any Project








Clicking on the 'Test Cases' node displays the Test Case Summary grid. By default, the Test case summary Information will be visible.




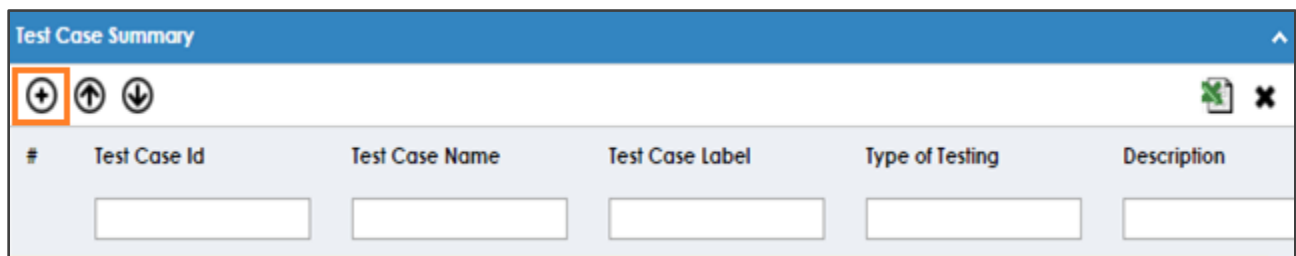
Test Case Summary grid displays Test Case Id, Test Case Name, Test Case Label, Type of Testing, Description, Created By, Created Date, Modified By and Modified Date fields.

It also displays the following icons:

Icon	Icon tooltip
	Add Test Case
	Delete Test Case
	Import Excel
	Download Template
	Export Excel

Add new Test Case:

Click on the  icon to add a new test case.



Enter the 'Test Case Name'.

The 'Test Case Label', 'Type of Testing', 'Test SQL Script', 'Description', 'Expected Result', 'Actual Result' and 'Testing Comments' fields are optional. Click on the Save button.

Test Case Name: Test case title. E.g. verify login page with valid username and password.

Test Case Label: Unique label for each test case. Follow some convention to indicate types of test. E.g. 'TC_UI_1' indicating 'user interface test case #1'.

Type of Testing (options):

- Production Validation Testing
- Source to Target Testing
- Application Upgrades
- Metadata Testing
- Data Transformation Testing
- Data Completeness Testing
- Incremental ETL Testing
- GUI/Navigation Testing
- MANUAL
- ALT-SCENARIO
- LR-SCENARIO
- PERFORMANCE-TEST
- QAINSPECT-TEST
- SYSTEM-TEST
- VAPI-XP-TEST

Test SQL Script: Define SQL script to run the test case.

Description: Describe test objective in brief.

Expected Result: Describe the expected result in detail including message/error that should be displayed onscreen.

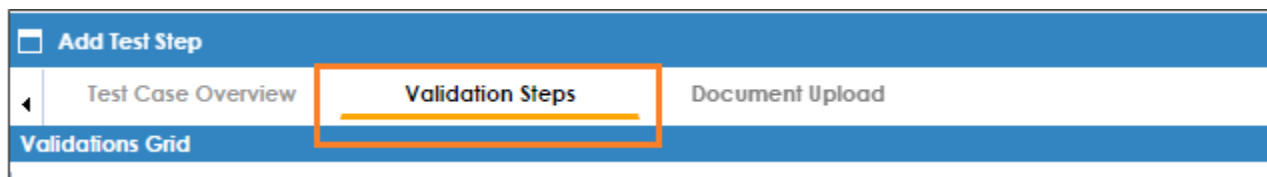
Actual result: Actual test result should be filled after test execution. Describe system behavior after test execution.

Saving can be done in two ways:

Save and Continue - This option will save the details entered in the 'Test Case Overview' tab and continue onto the 'Validation Steps' tab.

Save and Exit - Save changes to the Test Case Overview tab and exit out of edit Mode. The Test case is displayed in the Test case summary grid.

Save and Continue - This option will save the details entered in the 'Test Case Overview' tab and continue onto the 'Validation Steps' tab



Validation steps tab – You can define the validation steps for each test case. Each test case can have multiple validation steps.

In the Validations Grid, enter 'Step Name'.

The 'Validation Step Type', 'Description', 'Expected Result', 'Actual Result' and 'Test Step Comments' are optional. Click on the Save button.

Validation Step Type (options): Select the validation type from the predefined drop down list.

- Structure Validation
- Constraint Validation
- Business Rule Validation
- Null Validation
- Duplicate Check
- Data Check
- Others

Description: Describe the objective in brief.

Expected Result: Describe the expected result in detail including message/error that should be displayed onscreen.

Actual result: Actual test result should be filled after test execution. Describe system behavior after test execution.

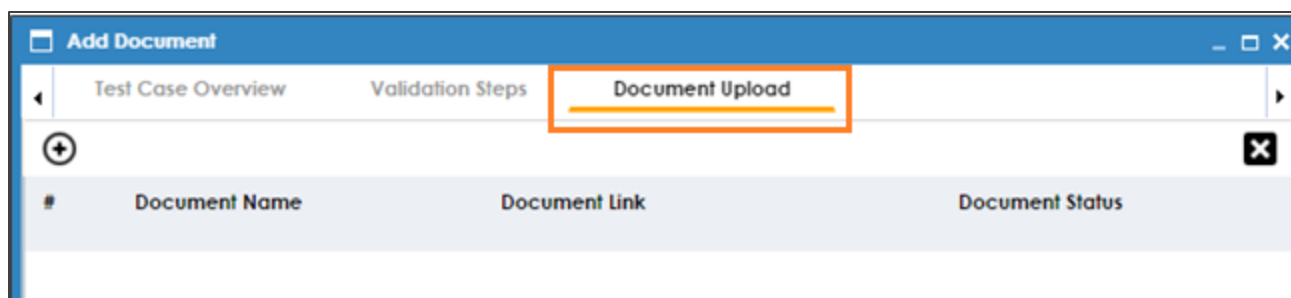
Saving can be done in two ways:


Save and Continue - This option will save the details entered in the 'Validation Steps' tab and continue onto the 'Document Upload' tab.

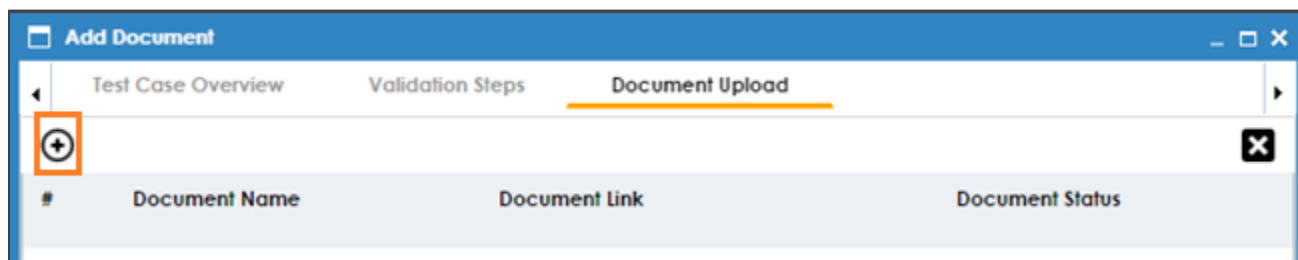
Save - The Validation step is added successfully and it is displayed in the summary grid. You can enter 'n' number of validation steps.

Save and Exit - It will exit the 'Validation Steps' tab. The Test case is displayed in the Test case summary grid.

Click Save and Continue icon - This option will save the details entered in the 'Validation Steps' tab and continue onto the 'Document Upload' tab.



In the Document Upload tab, Click on the  icon to add a new document.



In the 'Add Test Case Document' window, enter 'Document Name' and either Upload the document or specify the document Link. The 'Document Owner', 'Approval Required Flag' and the 'Intended Use Description' fields are optional. Click on the save button.

User can double click on a specific test case to view its details

Test Case Overview tab:

Workspace Mappings

Mappings

Projects

ADS_Data_Migration (5)

Transformations

Test Cases

Mappings

BFSI Integration (0)

Customer Data Mart (26)

DataWarehouse (60)

ODS (18)

Online Data Mart (1)

Sales Data Mart (5)

Test Case Summary

#

Test Case Id

Test Case Name

Test Case Label

Type of Testing

Description

Created By

Created Date

	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
1	1	History Row Count Volumetrics	History-Volumetrics	Data Completeness Testing	select all records from the table where the history data was loaded. DO NOT select records from the CDC incremental data within the last 3 days.	Administrator	2015-11-20 16:05:30.413
2	2	Daily Row Count Volumetrics	Daily-Volumetrics	Incremental ETL Testing	ensure all records are loaded from STAGE for the given %run_date% The CAT	Administrator	2015-11-20 16:05:30.447

Records from 1 to 6

Page 1

25 rows per page

Test Case Overview

Validation Steps

Document Upload

Test Case Id

Test Case Label

Test Case Name*

Type of Testing

Test SQL Script

1

History-Volumetrics

History Row Count Volumetrics

Data Completeness Testing

select count * from %TableName% where meta_load_date >= sysdate-3

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Displays the following headings specific to each test case


1. Test Case Id
2. Test Case Label
3. Test Case Name
4. Type of Testing
5. Test SQL Script
6. Description
7. Expected Result
8. Actual Result
9. Testing Comments
10. Created By
11. Created Date
12. Modified By
13. Modified Date


Validation Steps Tab:

Click on the 'Validation Steps' tab.

Test Case Summary							
#	Test Case Id	Test Case Name	Test Case Label	Type of Testing	Description	Created By	Cr
1	181	Mapping Doc Validation	PTC_001		Verify mapping doc whether corresponding ETL information is provided or not. Change log should maintain in every mapping doc	Administrator	2
2	182	Basic Table Validations	PTC_002		1. Validate the source and target table structure against corresponding mapping doc.	Administrator	2
<div> <div>Records from 1 to 7</div> <div>Page 1</div> <div>25 rows per page</div> </div>							
<div> <div>Test Case Overview</div> <div>Validation Steps</div> <div>Document Upload</div> </div>							
Validation Steps							
#	Step Name	Step Type	Description	Created By	Created Date	Modified By	Modified Date
1	Data Type Validation		Source data type and target data type should be same	Administrator	2015-08-11 13:37:17.73	Administrator	2015-08-11 13:37:17.73
2	Length of Data Type Check		Length of data types in both source and target should be equal	Administrator	2015-08-11 13:37:17.73	Administrator	2015-08-11 13:37:17.73

The existing steps are displayed in the 'validation steps' grid.

➤ **New Step:** Click on the  icon to add a new step to the test case.

<div> <div>Test Case Overview</div> <div>Validation Steps</div> <div>Document Upload</div> </div>							
Validation Steps							
<div>  </div>							
#	Step Name	Step Type	Description	Created By	Created Date	Modified By	Modified Date


You can define multiple steps for each test case.

In the Validations Grid, enter 'Step Name'.

The 'Validation Step Type', 'Step Status', 'Description', 'Expected Result', 'Actual Result' and 'Testing Comments' are optional. Click on the Save button.

➤ **Edit Step:** Click on the edit  icon to modify the validation step.

Validation Steps							
#	Step Name	Step Type	Description	Created By	Created Date	Modified By	Modified Date
	<input type="text"/>	<input type="text"/>	<input type="text"/>				
1	Data Type Validation		Source data type and target data type should be same	Administrator	2015-08-11 13:37:17.73	Administrator	2015-08-11 13:37:17.73
2	Length of Data Type Check		Length of data types in both source and target should be equal	Administrator	2015-08-11 13:37:17.73	Administrator	2015-08-11 13:37:17.73




➤ **Delete Step:** Select the Validation step and click on the delete icon  to delete the Validation step.

Validation Steps							
#	Step Name	Step Type	Description	Created By	Created Date	Modified By	Modified Date
	<input type="text"/>	<input type="text"/>	<input type="text"/>				
1	Data Type Validation		Source data type and target data type should be same	Administrator	2015-08-11 13:37:17.73	Administrator	2015-08-11 13:37:17.73
2	Length of Data Type Check		Length of data types in both source and target should be equal	Administrator	2015-08-11 13:37:17.73	Administrator	2015-08-11 13:37:17.73

Document Upload Tab:

Click on the 'Document Upload' tab. Click on  icon to upload a new document/provide a document link.


Test Case Summary

#	Test Case Id	Test Case Name	Test Case Label	Type of Testing	Description	Created By	Created Date	Mo
1	1	History Row Count Volumetrics	History-Volumetrics	Data Completeness Testing	select all records from the table where the history data was loaded. DO NOT select records from the CDC incremental data within the last 3 days.	Administrator	2015-11-20 16:05:30.413	A
2	2	Daily Row Count Volumetrics	Daily-Volumetrics	Incremental ETL Testing	ensure all records are loaded from STAGE for the given %run_date%	Administrator	2015-11-20 16:05:30.447	A
3	3	Column Nullability Testing	Column Nullability	Data Completeness Testing	The CAT (CheckColumnNullability) will verify which columns are loaded with null values.	Administrator	2015-11-20 16:05:30.447	A

Records from 1 to 6 Page 1 25 rows per page

Test Case Overview Validation Steps **Document Upload**




#	Document Name	Document Link	Document Status	Intended Use Description
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Enter Document name. Click on upload  icon to upload a document or provide the Document Link and click on save icon.

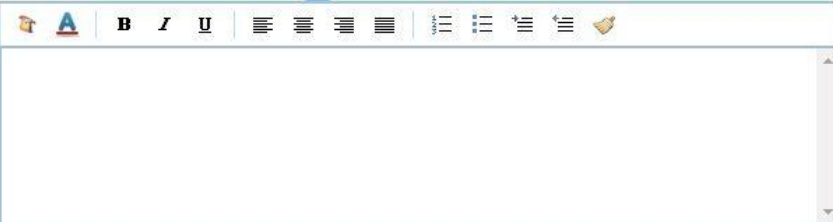
Add Test Case Document

Save Cancel




Document Name* Document Owner





Document Object Drag-n-Drop files here or click to select files for upload.  Document Link






Intended Use Description



Approval Required Flag ☐

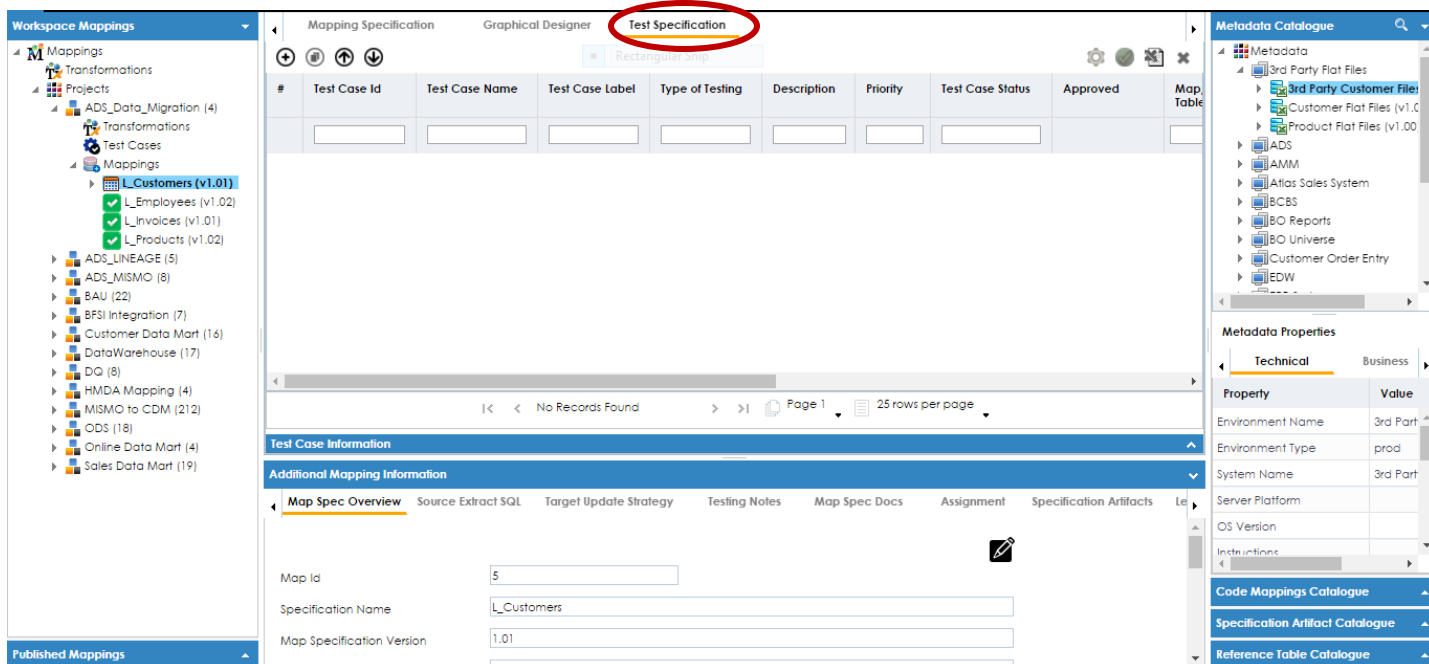
All the uploaded documents are listed with Document status and Intended description with preview () , edit () and delete () options specific to each uploaded document.

Test Case Overview Validation Steps Document Upload						
#	Document Name	Document Link	Document Status	Intended Use Description		
1	Test_Document					
2	Mapping_Spec_Document					

- 1. Import Test Cases:** Click on import  icon to upload the test cases and spec details into AMM. Enter the test cases that you want to import in the Excel standard template (click on the  icon to download the Excel standard template) and import it into AMM.
- 2. Export Test Cases:** Click on export  icon which provides a provision to export the test cases and all its associated information to the standard excel output
- 3. Delete Test Cases:** Click on specific test case and click on  icon to delete the test case.
- 4. Download Template:** Click on  icon to download the Excel based standard template used to import test cases and spec details into AMM.

Manage Test Cases at Map Level:

Select any project in the Project browser and click on a Map within the project. In the 'Mapping Specification' grid, click on the 'Test Specification' tab.




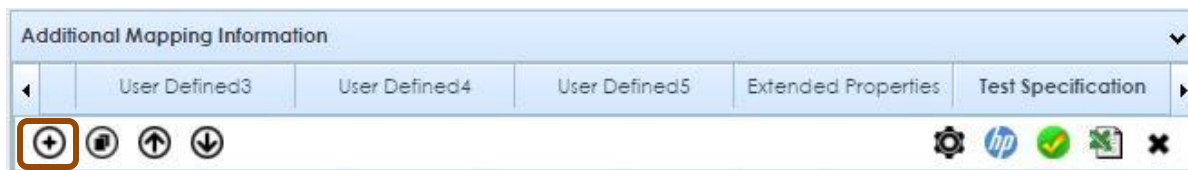
You can add new test cases specific to the Map, add validation steps, upload documents, clone test cases, sync test cases with ALM and upload test cases through excel.

It also displays the following icons:

Icon	Icon tooltip
	Add Test Case
	Delete Test Case
	Import excel
	Download Template
	Export Excel
	Clone
	Mapping Test Status
	Sync with ALM
	Test Case Approval

Add new Test Case:

Click on the  icon to add a new test case.



Enter the 'Test Case Name'.

The 'Test Case Label', 'Priority', 'Type of Testing', 'Extendable', 'Test SQL Script', 'Description', 'Expected Result', 'Actual Result' and 'Testing Comments' and 'Test Case Status' fields are optional. Click on the Save button.

Test Case Name: Test case title. E.g. verify login page with valid username and password.

Test Case Label: Unique label for each test case. Follow some convention to indicate types of test. E.g. 'TC_UI_1' indicating 'user interface test case #1'.

Test priority (Low/Medium/High/Critical): This is useful while test execution. Test priority for business rules and functional test cases can be medium or higher whereas minor user interface cases can be low priority. Test priority should be set by reviewer.

Type of Testing (options):

- Production Validation Testing
- Source to Target Testing
- Application Upgrades
- Metadata Testing
- Data Transformation Testing
- Data Completeness Testing
- Incremental ETL Testing
- GUI/Navigation Testing
- MANUAL
- ALT-SCENARIO
- LR-SCENARIO
- PERFORMANCE-TEST
- QAINSPECT-TEST
- SYSTEM-TEST
- VAPI-XP-TEST

Extendable: When a Map is archived, all the test case with 'Extendable' option will be visible in the active map.

Test SQL Script: Define SQL script to run the test case.

Description: Describe test objective in brief.

Expected Result: Describe the expected result in detail including message/error that should be displayed on screen.

Actual result: Actual test result should be filled after test execution. Describe system behavior after test execution.

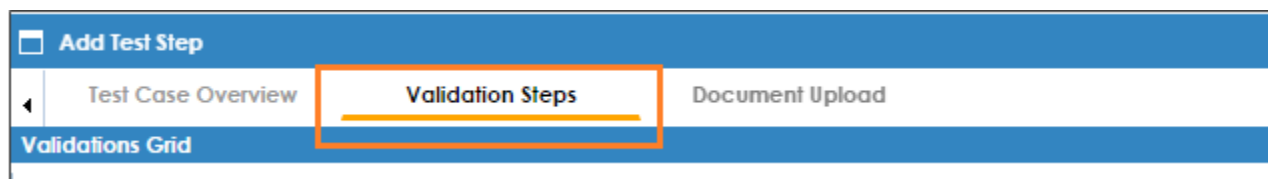
Test Case Status (options): Defines the current status of the test case.

- Passed
- Failed
- Unspecified
- Need Analysis
- No Run

Saving can be done in two ways:

Save and Continue	Save changes to the Test case overview tab and continue in the Edit Mode
Save and Exit	Save changes to the Test case over view tab and exit out of Edit Mode
Cancel	Changes are not saved and exits the window.

Click Save and Continue–This option will save the details entered in the 'Test Case Overview' tab and continue onto the 'Validation Steps' tab.



Validation steps tab – You can define the validation steps for each test case. Each test case can have multiple validation steps.

In the Validations Grid, enter 'Step Name'.

The 'Validation Step Type', 'Step Status', 'Description', 'Expected Result', 'Actual Result' and 'Test Step Comments' are optional. Click on the Save button.

Add Test Step

Test Case Overview | **Validation Steps** | Document Upload

Validations Grid

Save & Continue Save & Exit Cancel

Validation Step Type: Select

Step Name*

Description

Expected Result

Actual Result

Test Step Comments

Validation Step Type (options): Select the validation type from the predefined drop down list.

- Structure Validation
- Constraint Validation
- Business Rule Validation
- Null Validation
- Duplicate Check
- Data Check
- Others

Step Status (options): Select the status from the predefined drop down list.

- Passed
- Failed
- Unspecified
- Need Analysis
- No Run

Description: Describe the objective in brief.

Expected Result: Describe the expected result in detail including message/error that should be displayed onscreen.

Actual result: Actual test result should be filled after test execution. Describe system behavior after test execution.

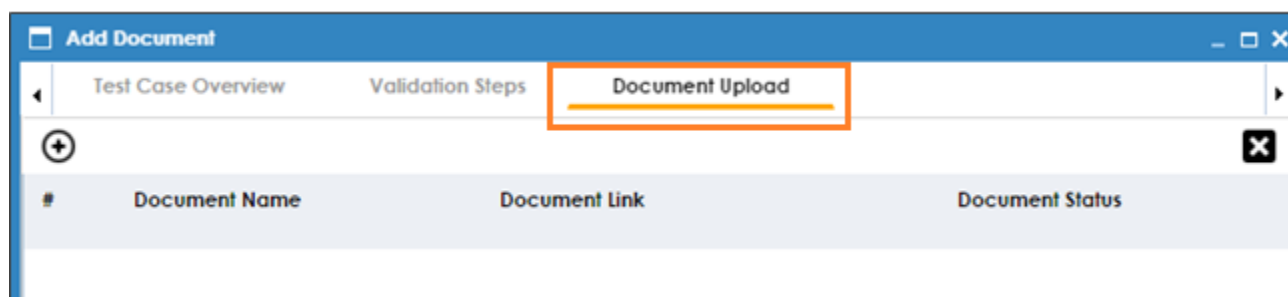
Saving can be done in two ways:

Save and Continue - This option will save the details entered in the 'Validation Steps' tab and continue onto the 'Document Upload' tab.

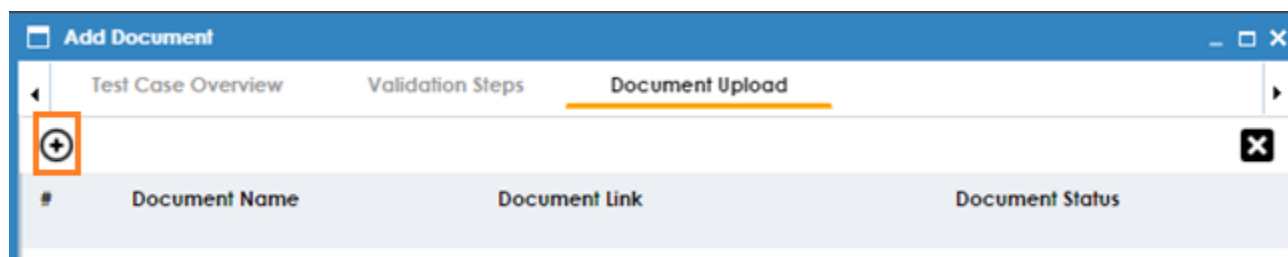
Save and Exit - The Validation step is added successfully and it is displayed in the summary grid. You can enter 'n' number of validation steps.

Cancel - It will exit the 'Validation Steps' tab. The Test case is displayed in the Test case summary grid.

Save and Continue - This option will save the details entered in the 'Validation Steps' tab and continue onto the 'Document Upload' tab.



In the Document Upload tab, Click on the  icon to add a new document.



The 'Add Test Case Document' window opens up. Enter 'Document Name' and either Upload the Document or specify the Document Link. The 'Document Owner', 'Approval Required Flag', 'Intended Use Description' are optional. Click on the save button.

Add Test Case Document

Document Name*

Document Owner

Document Object

Drag-n-Drop files here or click to select files for upload.

Intended Use Description

Approval Required Flag ☐

Save Cancel

The Test case is added successfully and it is displayed in the Test case summary grid.

User can double click on a specific test case to view its details

Double click on a specific test case to view its details in Test Case Overview tab, Validation Steps tab and the Document Upload tab.

Test case Overview tab:

The screenshot shows the erwin software interface. On the left, a tree view under 'Workspace Mappings' shows a project named 'ADS_Data_Migration (5)' with a sub-project 'CBA_Customers (v1.00)'. The main area displays a table of test cases. The 'Test Case Overview' tab is selected, showing details for the first test case: 'History Row Count'.

#	Test Case Id	Test Case Name	Test Case Label	Type of Testing	Description	Priority	Test Case Status	Approved	Map/To Table/F
1	1	History Row Count	History-Volumetric	Data Completeness	select all recs				
2	2	Daily Row Count	Daily-Volumetric	Incremental ETL	ensure all recs				

Below the table, the 'Test Case Overview' tab is selected, showing the following fields:

- Test Case Id: 1
- External Test Case Id:
- Test Case Name: History Row Count Volumetrics
- Test Case Label: History-Volumetrics
- Type of Testing: Data Completeness Testing
- Test SQL Script: select count * from %TableName% where meta_load_date >= sysdate -3

Click on the edit icon  to update the test case details.

It displays the following headings specific to each test case

1. Test Case Id
2. External Test Case Id
3. Test Case Name
4. Test Case Label
5. Priority
6. Type of Testing
7. Extendable
8. Test SQL Script
9. Description
10. Expected Result
11. Actual Result
12. Testing Comments
13. Test Case Status
14. Created By
15. Created Date
16. Modified By
17. Modified Date

Validation Steps Tab:

Click on the 'Validation Steps' tab.

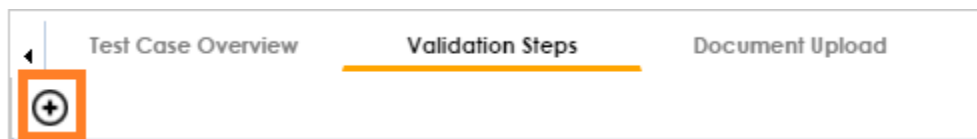
The screenshot shows the erwin workspace with a tree view on the left and a main panel on the right. The tree view shows a project named 'ADS_Data_Migration (5)' with a sub-project 'Mappings' containing several test cases. The 'Validation Steps' tab is selected in the main panel, showing a table of test steps.

#	Test Case Id	Test Case Name	Test Case Label	Type of Testing	Description	Priority	Test Case Status	Approved	Map/Target
1	1	History Row Count	History-Volumetric	Data Completeness	select all records			<input type="checkbox"/>	
2	2	Daily Row Count	Daily-Volumetric	Incremental ETL	ensure all records			<input type="checkbox"/>	
3	3	Column Nullability	Column Nullability	Data Completeness	The CAT (Check)			<input type="checkbox"/>	

The 'Validation Steps' tab is highlighted in the main panel. Below the table, there is a 'Test Case Overview' tab and a 'Document Upload' button. The 'Validation Steps' tab is also highlighted in the main panel.

The existing steps are displayed in the 'validation steps' grid.


- **New Step:** Click on the  icon to add a new step to the test case.



You can define multiple steps for each test case.

In the Validations Grid, enter 'Step Name'.






The 'Validation Step Type', 'Step Status', 'Description', 'Expected Result', 'Actual Result' and 'Test Step Comments' are optional. Click on the Save button.

- **Delete Step:** Select the Validation step and Click on delete  icon to delete the validation step.


Test Case Overview <u>Validation Steps</u> Document Upload						
on	Expected Result	Actual Result	Created By	Created Date	Modified By	Modified Date
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
ype ank			Administrator	2016-01-04 16:29:44.74	Administrator	2016-01-04 16:29:44.74
a types			Administrator	2016-01-04 16:29:44.74	Administrator	2016-01-04 16:29:44.74
ype len			Administrator	2016-01-04 16:29:44.74	Administrator	2016-01-04 16:29:44.74

Document Upload Tab:

Click on the 'Document Upload' tab. Click on  icon to upload a new document/provide a document link.

Test Case Summary								
    								
#	Test Case Id	Test Case Name	Test Case Label	Type of Testing	Description	Created By	Created Date	Mo
1	1	History Row Count Volumetrics	History-Volumetrics	Data Completeness Testing	select all records from the table where the history data was loaded. DO NOT select records from the CDC incremental data within the last 3 days.	Administrator	2015-11-20 16:05:30.413	A
2	2	Daily Row Count Volumetrics	Daily-Volumetrics	Incremental ETL Testing	ensure all records are loaded from STAGE for the given %run_date%	Administrator	2015-11-20 16:05:30.447	A
3	3	Column Nullability Testing	Column Nullability	Data Completeness Testing	The CAT (CheckColumnNullability) will verify which columns are loaded with null values.	Administrator	2015-11-20 16:05:30.447	A

|< < Records from 1 to 6 > >| Page 1 25 rows per page

Test Case Overview Validation Steps <u>Document Upload</u>				
#	Document Name	Document Link	Document Status	Intended Use Description
				

Enter Document name. Click on upload  icon to upload a document or provide the Document Link and click on save icon.

Clone Test cases:

Test cases defined at the Project level can be shared and reused across all Maps within that specific project. Test cases defined at the Map level are only applicable to that map. The Project level test cases can be cloned to the Map level.

Select the Project level test cases you want to clone and check the option under "Test Case Copied" column

Additional Mapping Information								
<div> <div>User Defined1</div> <div>User Defined2</div> <div>User Defined3</div> <div>User Defined4</div> <div>User Defined5</div> <div>Extended Properties</div> <div>Test Specification</div> </div>								
Test Case Id	Test Case Name	Test Case Label	Type of Testing	Description	Priority	Test Case Status	Map/Target Table/Project	Test Case Copied
								<input type="checkbox"/>
181	Mapping Doc Valid	PTC_001		Verify mapping			P	<input checked="" type="checkbox"/>
182	Basic Table Validat	PTC_002		1. Validate the			P	<input type="checkbox"/>
183	Constraint Validatic	PTC_003		Ensure the con			P	<input checked="" type="checkbox"/>
184	Data consistency V	PTC_004		Data consister			P	<input type="checkbox"/>
185	Correctness Validat	PCT_005		Data that is mi			P	<input type="checkbox"/>
186	Data Quality	PTC_006		Number check			P	<input type="checkbox"/>

Click on Clone  icon

Additional Mapping Information								
<div> <div>User Defined1</div> <div>User Defined2</div> <div>User Defined3</div> <div>User Defined4</div> <div>User Defined5</div> <div>Extended Properties</div> <div>Test Specification</div> </div>								
Test Case Id	Test Case Name	Test Case Label	Type of Testing	Description	Priority	Test Case Status	Map/Target Table/Project	Test Case Copied
								<input type="checkbox"/>
181	Mapping Doc Valid	PTC_001		Verify mapping			P	<input checked="" type="checkbox"/>
182	Basic Table Validat	PTC_002		1. Validate the			P	<input type="checkbox"/>
183	Constraint Validatic	PTC_003		Ensure the con			P	<input checked="" type="checkbox"/>
184	Data consistency V	PTC_004		Data consister			P	<input type="checkbox"/>
185	Correctness Validat	PCT_005		Data that is mi			P	<input type="checkbox"/>
186	Data Quality	PTC_006		Number check			P	<input type="checkbox"/>

Cloned test cases are displayed in the same grid. It will be displayed with the symbol 'M' under the 'Map/Target Table/Project' column.

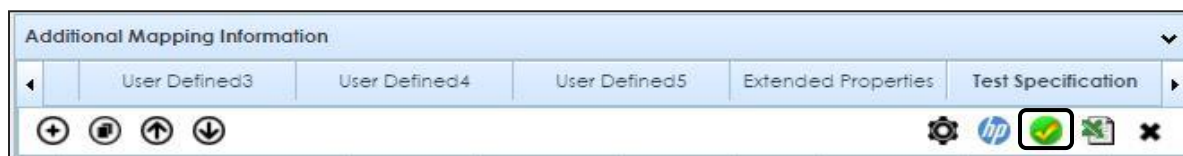
Test Case Id	Test Case Name	Test Case Label	Type of Testing	Description	Priority	Test Case Status	Map/Target Table/Project	Test Case Copied
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
184	Data consistency V	PTC_004		Data consister			P	<input type="checkbox"/>
185	Correctness Validat	PCT_005		Data that is mi			P	<input type="checkbox"/>
186	Data Quality	PTC_006		Number check			P	<input type="checkbox"/>
203	Mapping Doc Validat	PTC_001		Verify mapping			M	
204	Constraint Validatio	PTC_003		Ensure the con			M	

All test cases at map level are available for export.

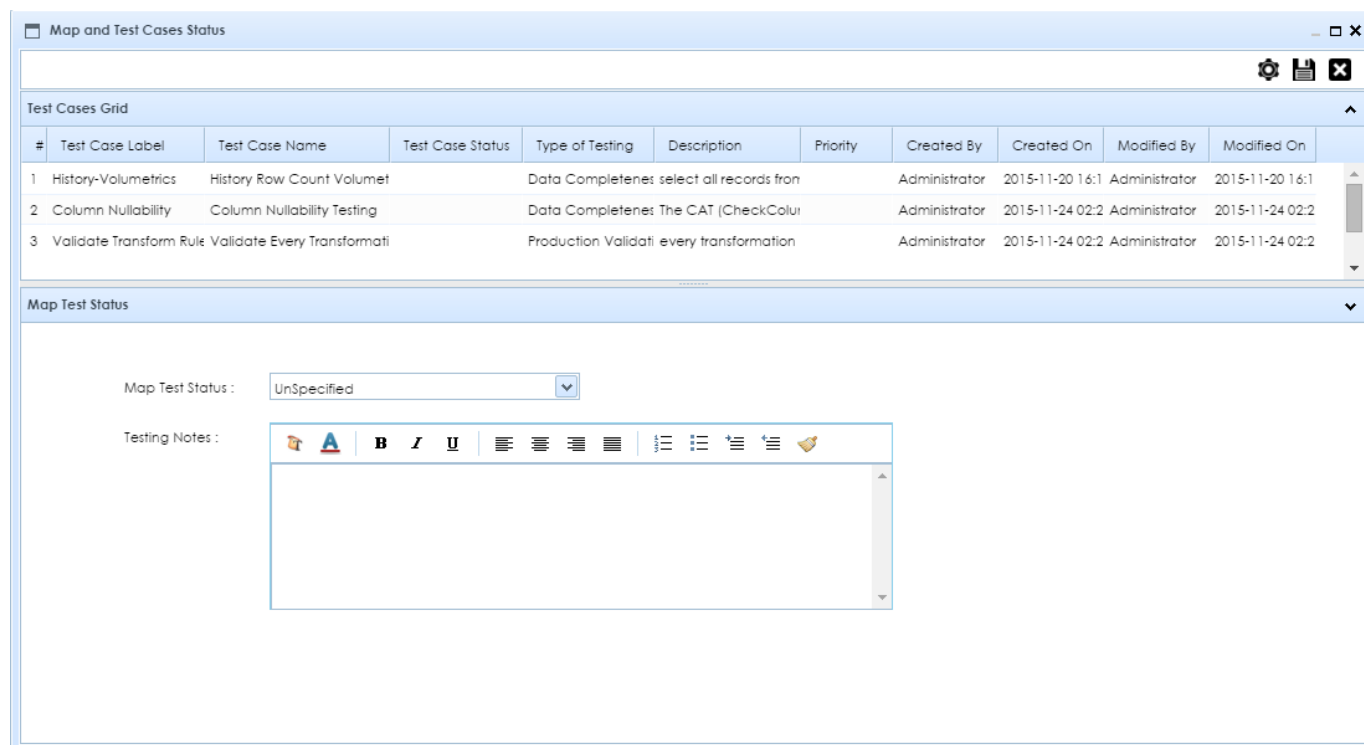
Mapping Test Status:

The 'Mapping Test Status' displays the overall Map level test status and the status of the individual Test cases specific to the Map.

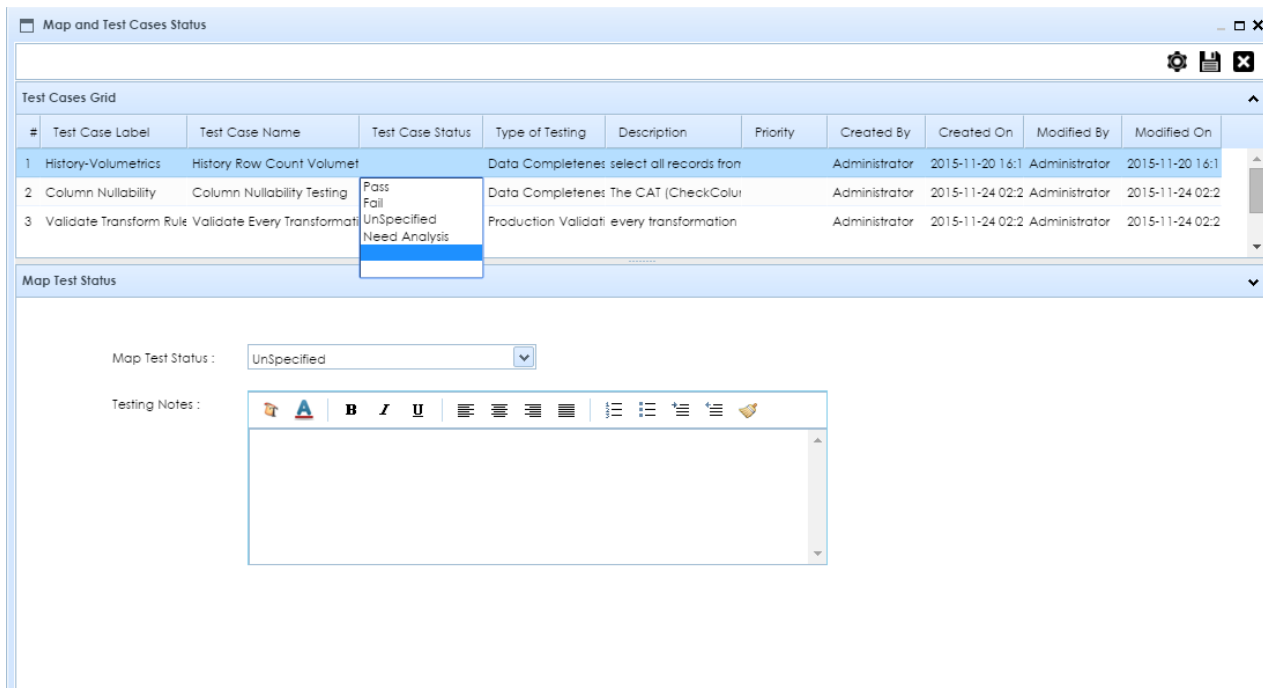
Click on Mapping Test  icon



The 'Map and Test Cases Status' pop up window appears. Only the test cases specific to Map are displayed in the Test Cases grid.



You can change the status of the test cases by double clicking the 'Test Case Status' cell.



The screenshot shows the 'Map and Test Cases Status' window. It contains a 'Test Cases Grid' with the following data:

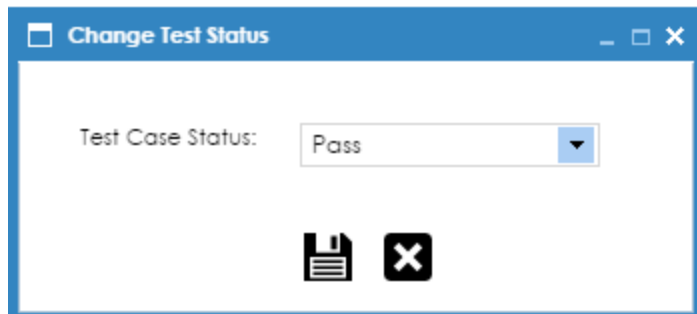
#	Test Case Label	Test Case Name	Test Case Status	Type of Testing	Description	Priority	Created By	Created On	Modified By	Modified On
1	History-Volumetrics	History Row Count Volumet	Pass	Data Completeness	select all records from		Administrator	2015-11-20 16:1	Administrator	2015-11-20 16:1
2	Column Nullability	Column Nullability Testing	Fail	Data Completeness	The CAT (CheckColour		Administrator	2015-11-24 02:2	Administrator	2015-11-24 02:2
3	Validate Transform Rule	Validate Every Transformat	UnSpecified	Production Validati	every transformation		Administrator	2015-11-24 02:2	Administrator	2015-11-24 02:2

A dropdown menu is open over the 'Test Case Status' column, showing options: 'Pass', 'Fail', 'UnSpecified', and 'Need Analysis'. Below the grid is a 'Map Test Status' section with a dropdown set to 'UnSpecified' and a 'Testing Notes' text area with a rich text editor toolbar.

Click on 'Change Test Case Status' icon  to change the test status of all the test cases in the grid at once.





The 'Change Test Status' window pops up with a drop down to select the test case status.

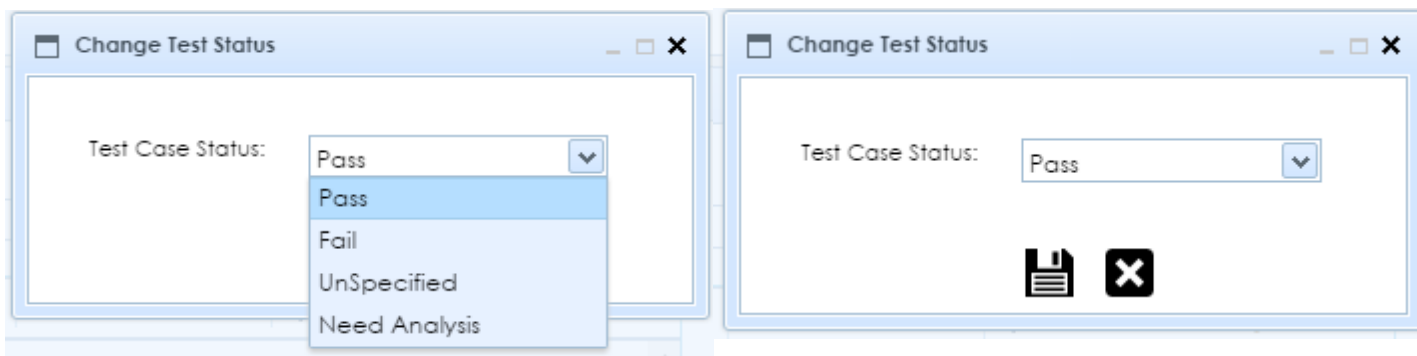


Change Test Status

Test Case Status: Pass



Select the Test Case Status from the drop down and click on the save button.



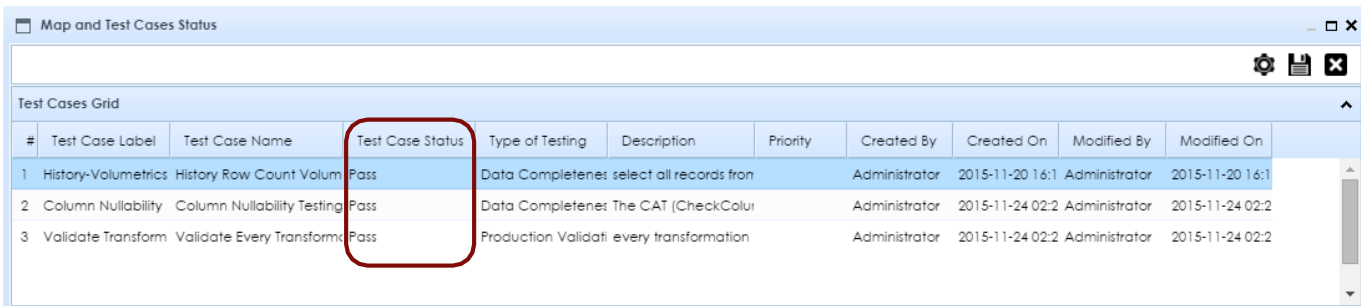
Change Test Status

Test Case Status: Pass

- Pass
- Fail
- UnSpecified
- Need Analysis

The updated test status for all the test cases is displayed in the grid.




Map and Test Cases Status

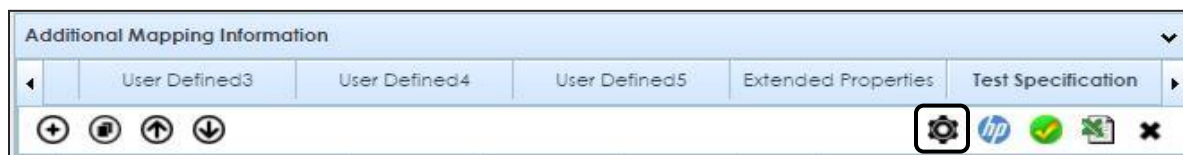
Test Cases Grid

#	Test Case Label	Test Case Name	Test Case Status	Type of Testing	Description	Priority	Created By	Created On	Modified By	Modified On
1	History-Volumetrics	History Row Count Volum	Pass	Data Completeness	select all records from		Administrator	2015-11-20 16:1	Administrator	2015-11-20 16:1
2	Column Nullability	Column Nullability Testing	Pass	Data Completeness	The CAT (CheckColu		Administrator	2015-11-24 02:2	Administrator	2015-11-24 02:2
3	Validate Transform	Validate Every Transform	Pass	Production Validati	every transformation		Administrator	2015-11-24 02:2	Administrator	2015-11-24 02:2

Test Cases Approval:

Ability to approve test cases i.e. new "Approved" field is added to test case grid to document approved test cases and multiple test cases can be approved at one go or can be done individually.


Click on Test Case approval  icon

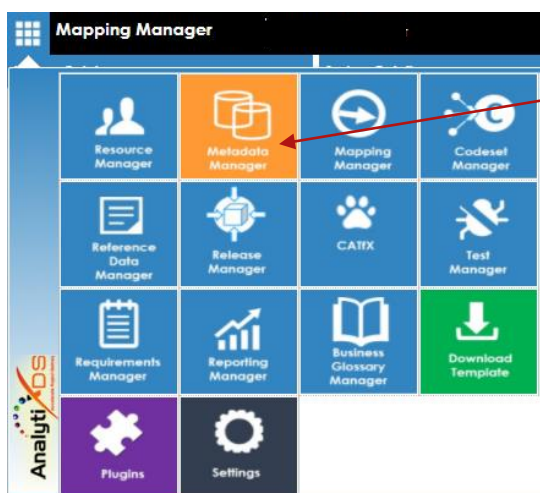


Approved Test Cases								
Test Cases Grid								
#	Test Case Label	Test Case Name	Test Case Status	Approved	Type of Testing	Description	Priority	Created By
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
1		Verify Source Details		<input type="checkbox"/>	Data Completeness	Verify Metadata I		Administrator
2		Verify Target Details		<input type="checkbox"/>	Data Completeness	Verify Metadata I		Administrator
3		Verify Business Rule		<input type="checkbox"/>	Data Transformation	Verify Business Rul		Administrator
4		Verify Mapping		<input checked="" type="checkbox"/>	Source to Target Tes	Verify whether Soi		Administrator
5		as		<input type="checkbox"/>				Administrator
6		Run Query		<input type="checkbox"/>				Administrator

Check the test cases for approval either by selecting single or multiple test cases from grid and click on save to approve the test cases.

Manage Test Cases at Metadata Level:

Click on the Module Launchpad icon  on the top left corner and click on “System Manager” icon in the Launchpad menu to access the System Manager module.

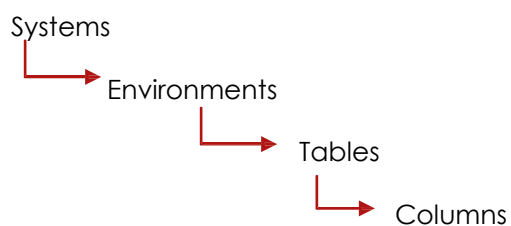


Click the **Metadata Manager** Icon

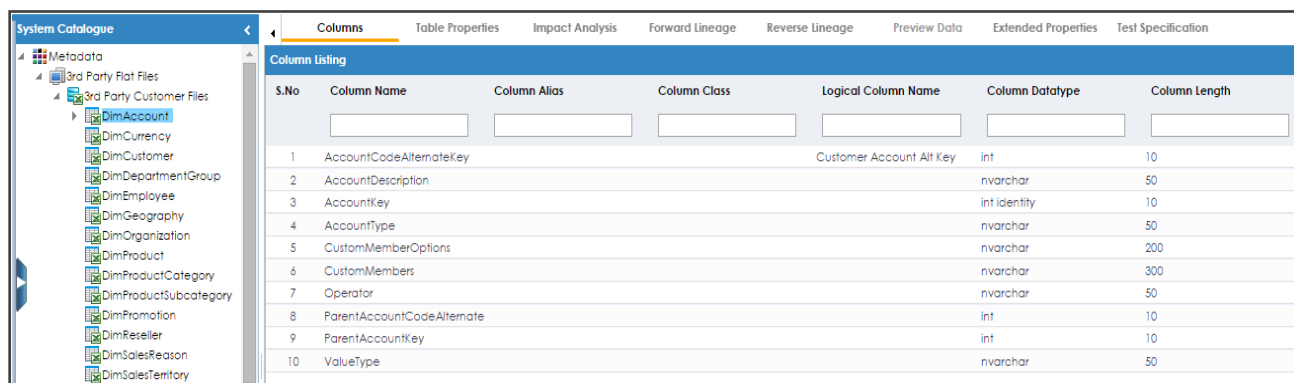
Once you click on the System manager icon, It displays the ‘System Details’ grid which gives you a consolidated list of Systems and their respective Environments and the ‘System Catalogue’ browser (the left most frame) which displays the metadata tree.

System Catalogue	System Manager Dashboard				
<ul style="list-style-type: none"> Metadata <ul style="list-style-type: none"> 3rd Party Flat Files ACS AMM 612 Atlas Sales System BCBS BCBSKC BCBSKC_DEMO BO Reports BO Universe CareFirst_Source CareFirst_Target Customer Order Entry Data Models Davita Demo System 	System Details				
	#	System	Business Purpose	# of Environments	Created By
	1	3rd Party Flat Files		6	Administrator
	2	ACS		1	Administrator
	3	AMM 612		3	Administrator
	4	Atlas Sales System		1	Administrator
	5	BCBS		5	Administrator
	6	BCBSKC		2	Administrator
	7	BCBSKC_DEMO		2	Administrator
	8	BO Reports		1	Administrator
					Created Date
					2015-03-10 11:31:13.447
					2015-10-12 11:27:28.537
					2015-08-26 08:56:19.56
					2015-03-13 07:01:01.543
					2015-03-31 10:19:18.223
					2015-03-26 06:46:22.663
					2015-03-31 11:24:26.323
					2015-03-31 08:51:45.38

The following hierarchy is maintained in the System Catalogue tree



Click on a Table under any Environment



S.No	Column Name	Column Alias	Column Class	Logical Column Name	Column Datatype	Column Length
1	AccountCodeAlternateKey			Customer Account Alt Key	int	10
2	AccountDescription				nvarchar	50
3	AccountKey				int identity	10
4	AccountType				nvarchar	50
5	CustomMemberOptions				nvarchar	200
6	CustomMembers				nvarchar	300
7	Operator				nvarchar	50
8	ParentAccountCodeAlternate				int	10
9	ParentAccountKey				int	10
10	ValueType				nvarchar	50

The consolidated list of all columns for the selected table is displayed.

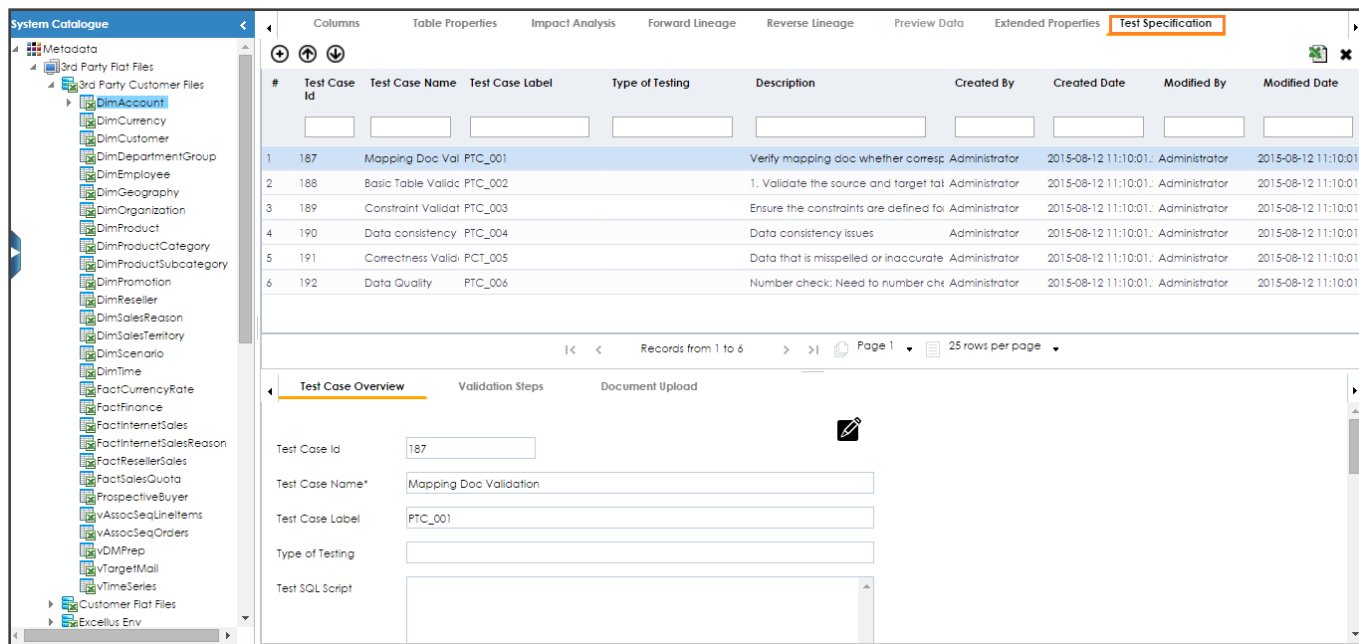
The Table details screen displays the following:

- Table Properties
- Impact Analysis
- Forward Lineage
- Reverse Lineage
- Preview Data
- Extended Properties
- Test Specification

Click on 'Test Specification' Tab








Clicking on 'Test Specification' tab displays the Test Case Summary grid. By default, the test case summary Information will be visible.



#	Test Case Id	Test Case Name	Test Case Label	Type of Testing	Description	Created By	Created Date	Modified By	Modified Date
1	187	Mapping Doc Val	PTC_001		Verify mapping doc whether corresp	Administrator	2015-08-12 11:10:01	Administrator	2015-08-12 11:10:01
2	188	Basic Table Valid	PTC_002		1. Validate the source and target tal	Administrator	2015-08-12 11:10:01	Administrator	2015-08-12 11:10:01
3	189	Constraint Validat	PTC_003		Ensure the constraints are defined fo	Administrator	2015-08-12 11:10:01	Administrator	2015-08-12 11:10:01
4	190	Data consistency	PTC_004		Data consistency issues	Administrator	2015-08-12 11:10:01	Administrator	2015-08-12 11:10:01
5	191	Correctness Valid	PCT_005		Data that is misspelled or inaccurate	Administrator	2015-08-12 11:10:01	Administrator	2015-08-12 11:10:01
6	192	Data Quality	PTC_006		Number check: Need to number che	Administrator	2015-08-12 11:10:01	Administrator	2015-08-12 11:10:01

Test Case Summary displays Test Case Id, Test Case Name, Test Case Label, Type of Testing, Description, Created By, Created Date, Modified By and Modified Date fields.

It also displays the following icons:

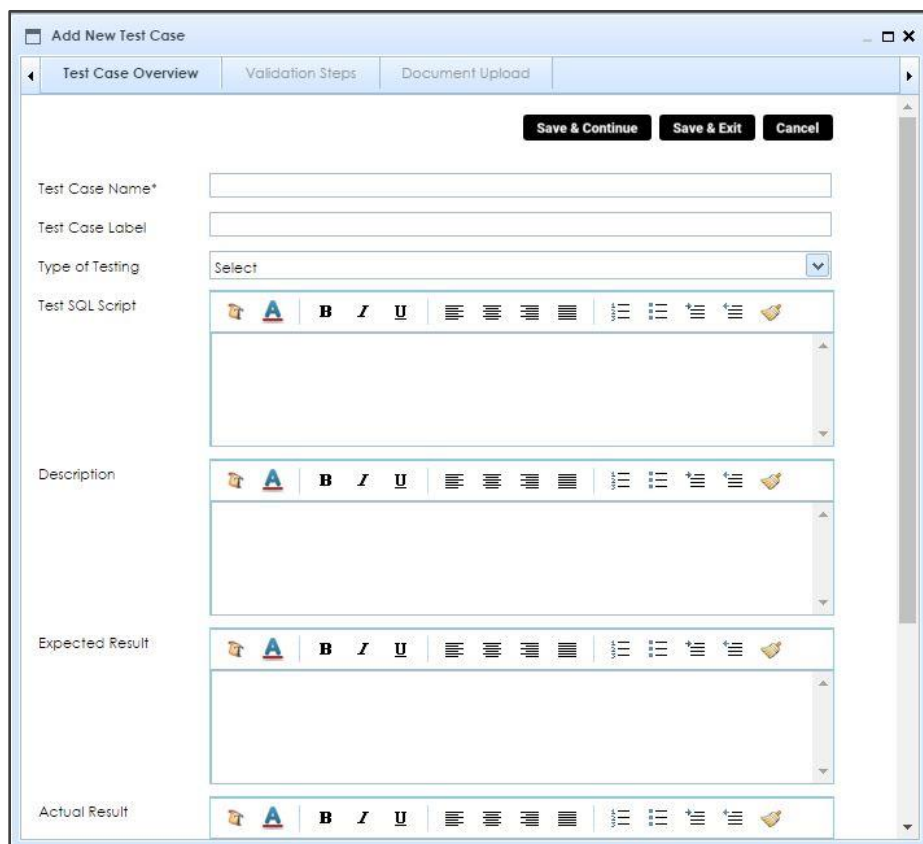
Icon	Icon tooltip
	Add Test Case
	Delete Test Case
	Import Excel
	Download Template
	Export Excel

Add new Test Case:

Click on the  icon to add a new test case.



Enter the 'Test Case Name', 'Test Case Label', 'Type of Testing', 'Test SQL Script', 'Description', 'Expected Result', 'Actual Result' and 'Testing Comments' fields are optional. Click on the Save button.



Test Case Name: Test case title. E.g. verify login page with valid username and password.

Test Case Label: Unique label for each test case. Follow some convention to indicate types of test. E.g. 'TC_UI_1' indicating 'user interface test case #1'.

Type of Testing (options):

- Production Validation Testing
- Source to Target Testing
- Application Upgrades
- Metadata Testing
- Data Transformation Testing
- Data Completeness Testing

- Incremental ETL Testing
- GUI/Navigation Testing
- MANUAL
- ALT-SCENARIO
- LR-SCENARIO
- PERFORMANCE-TEST
- QAINSPECT-TEST
- SYSTEM-TEST
- VAPI-XP-TEST

Test SQL Script: Define SQL script to run the test case.

Description: Describe test objective in brief.

Expected Result: Describe the expected result in detail including message/error that should be displayed onscreen.

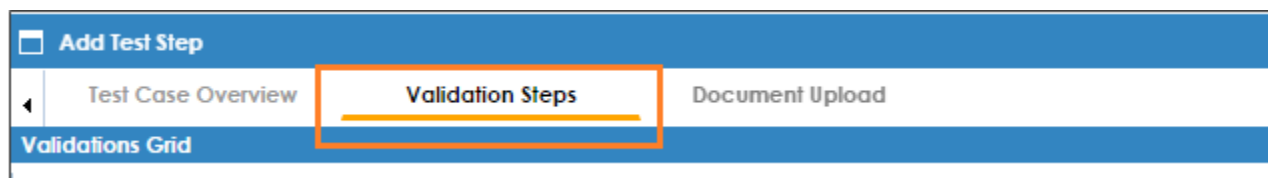
Actual result: Actual test result should be filled after test execution. Describe system behavior after test execution.

Saving can be done in two ways:

Save and Continue - This option will save the details entered in the 'Test Case Overview' tab and continue onto the 'Validation Steps' tab.

Save and Exit – Save changes to the Test Case Overview tab and exit out of edit Mode. The Test case is displayed in the Test case summary grid.

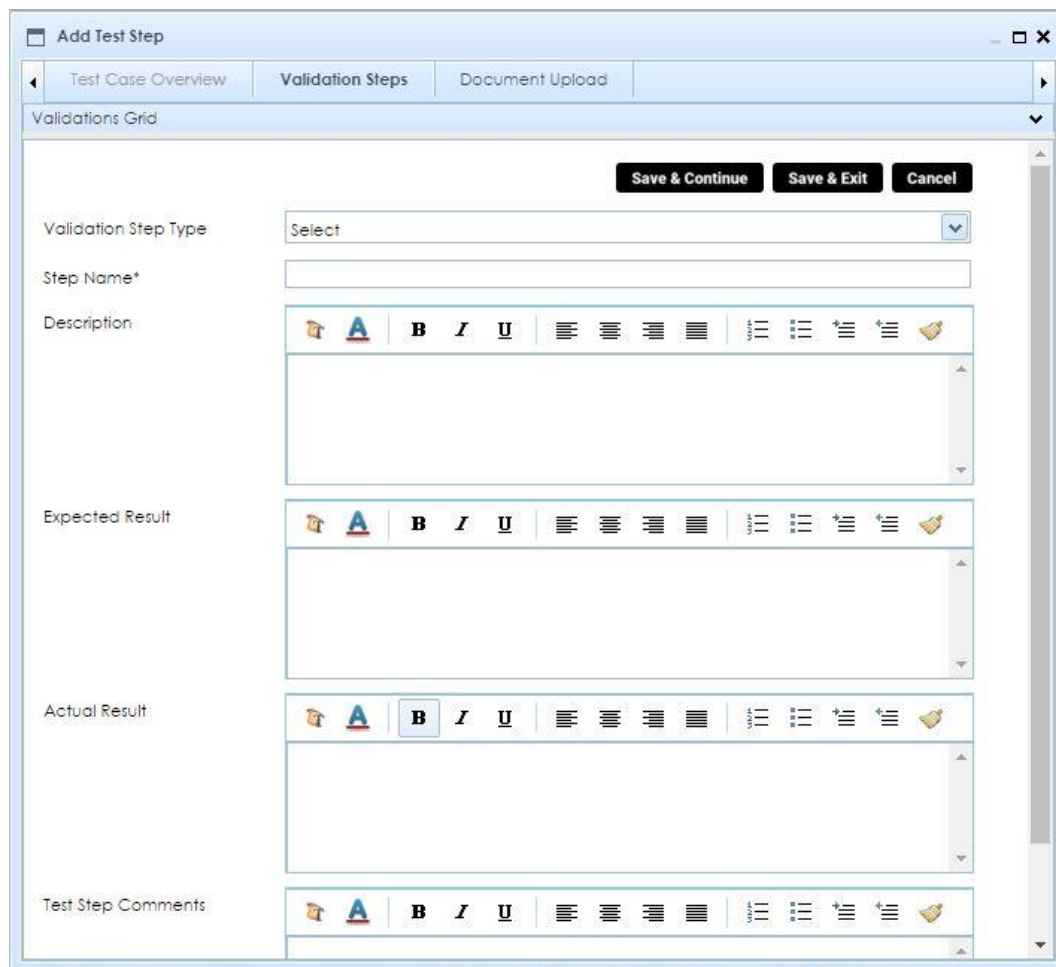
Save and Continue– This option will save the details entered in the 'Test Case Overview' tab and continue onto the 'Validation Steps' tab.



Validation steps tab – You can define the validation steps for each test case. Each test case can have multiple validation steps.

In the Validations Grid, enter 'Step Name'.

The 'Validation Step Type', 'Description', 'Expected Result', 'Actual Result' and 'Test Step Comments' are optional. Click on the Save button.



Validation Step Type (options): Select the validation type from the predefined drop downlist.

- Structure Validation
- Constraint Validation
- Business Rule Validation
- Null Validation
- Duplicate Check
- Data Check
- Others

Description: Describe the objective in brief.

Expected Result: Describe the expected result in detail including message/error that should be displayed onscreen.

Actual result: Actual test result should be filled after test execution. Describe system behavior after test execution.

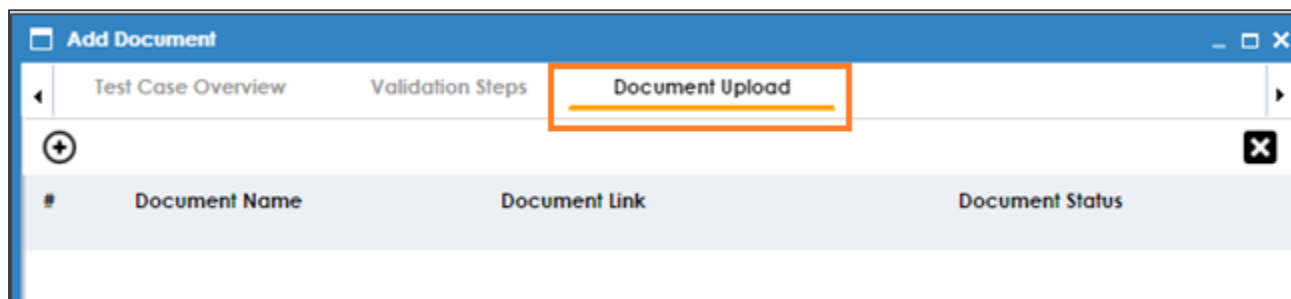
Saving can be done in two ways:

Save and Continue - This option will save the details entered in the 'Validation Steps' tab and continue onto the 'Document Upload' tab.

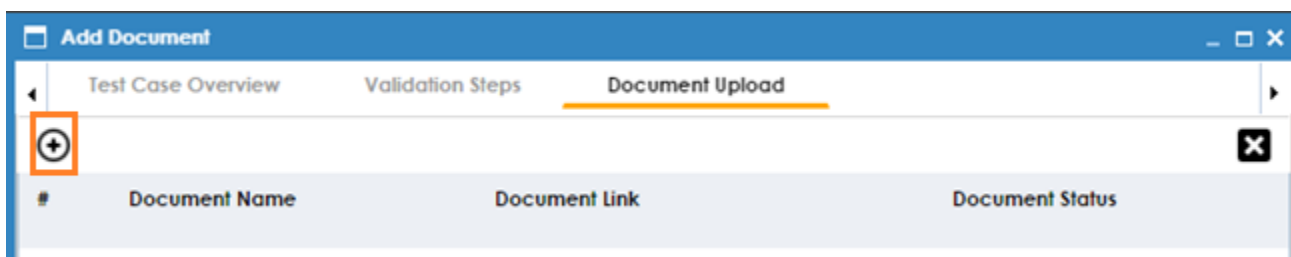
Save and exit - The Validation step is added successfully and it is displayed in the summary grid. You can enter 'n' number of validation steps.

Cancel - It will exit the 'Validation Steps' tab. The Test case is displayed in the Test case summary grid.

Save and Continue button - This option will save the details entered in the 'Validation Steps' tab and continue onto the 'Document Upload' tab



In the Document Upload tab, Click on the  icon to add a new document.



The 'Add Test Case Document' window opens up. Enter 'Document Name' and either Upload the Document or specify the Document Link. The 'Document Owner', 'Approval Required Flag', 'Intended Use Description' are optional. Click on the save button.

Add Test Case Document

Save

Cancel

Document Name*

Document Owner

Document Object

Drag-n-Drop files here or click to select files for upload.

Document Link

Intended Use Description

A

B

I

U

Approval Required Flag

☐

The Test case is added successfully and it is displayed in the Test case summary grid.

User can double click on a specific test case to view its details

Double click on a specific test case to view its details in Test Case Overview tab, Validation Steps tab and the Document Upload tab.

Test case Overview tab:

System Catalogue

Metadata

3rd Party Flat Files

3rd Party Customer Files

DimAccount

DimCurrency

DimCustomer

DimDepartmentGroup

DimEmployee

DimGeography

DimOrganization

DimProduct

DimProductCategory

DimProductSubcategory

DimPromotion

DimReseller

DimSalesReason

DimSalesTerritory

DimScenario

DimTime

FactCurrencyRate

FactFinance

FactInternetSales

FactInternetSalesReason

FactResellerSales

FactSalesQuota

ProspectiveBuyer

vAssocSeqLineItems

vAssocSeqOrders

vDMPrep

vTargetMail

vTimeSeries

Customer Flat Files

Excel Env

Columns

Table Properties

Impact Analysis

Forward Lineage

Reverse Lineage

Preview Data

Extended Properties

Test Specification

#

Test Case Id

Test Case Name

Test Case Label

Type of Testing

Description

Created By

Created Date

Modified By

Modified Date

1

187

Mapping Doc Va

PTC_001

Verify mapping doc whether corres

Administrator

2015-08-12 11:10:01

Administrator

2015-08-12 11:10:01

2

188

Basic Table Valid

PTC_002

1. Validate the source and target fo

Administrator

2015-08-12 11:10:01

Administrator

2015-08-12 11:10:01

3

189

Constraint Valid

PTC_003

Ensure the constraints are defined fo

Administrator

2015-08-12 11:10:01

Administrator

2015-08-12 11:10:01

4

190

Data consistency

PTC_004

Data consistency issues

Administrator

2015-08-12 11:10:01

Administrator

2015-08-12 11:10:01

5

191

Correctness Valid

PCT_005

Data that is misspelled or inaccura

Administrator

2015-08-12 11:10:01

Administrator

2015-08-12 11:10:01

6

192

Data Quality

PTC_006

Number check: Need to number ch

Administrator

2015-08-12 11:10:01

Administrator

2015-08-12 11:10:01

7

205

1

Administrator

2015-12-31 14:14:10

Administrator

2015-12-31 14:14:10

Records from 1 to 8

Page 1

25 rows per page

Test Case Overview

Validation Steps

Document Upload

Test Case Id

187

Test Case Name*

Mapping Doc Validation

Test Case Label

PTC_001

Type of Testing

Test SQL Script

Click on the edit icon  to update the test case details.

It displays the following headings specific to each test case

1. Test Case Id
2. Test Case Name
3. Test Case Label
4. Type of Testing
5. Test SQL Script
6. Description
7. Expected Result
8. Actual Result
9. Testing Comments
10. Created By
11. Created Date
12. Modified By
13. Modified Date


Validation Steps Tab:

Click on the 'Validation Steps' tab.

Test Case Summary							
#	Test Case Id	Test Case Name	Test Case Label	Type of Testing	Description	Created By	Cr
1	181	Mapping Doc Validation	PTC_001		Verify mapping doc whether corresponding ETL information is provided or not. Change log should maintain in every mapping doc	Administrator	
2	182	Basic Table Validations	PTC_002		1. Validate the source and target table structure against corresponding mapping doc.	Administrator	
Records from 1 to 7 Page 1 25 rows per page							
Test Case Overview Validation Steps Document Upload							
#	Step Name	Step Type	Description	Created By	Created Date	Modified By	Modified Date
1	Data Type Validation		Source data type and target data type should be same	Administrator	2015-08-11 13:37:17.73	Administrator	2015-08-11 13:37:17.73
2	Length of Data Type Check		Length of data types in both source and target should be equal	Administrator	2015-08-11 13:37:17.73	Administrator	2015-08-11 13:37:17.73

The existing steps are displayed in the 'validation steps' grid.

- **New Step:** Click on the  icon to add each step to the test case.

Validation Steps							
<div>  </div>							
#	Step Name	Step Type	Description	Created By	Created Date	Modified By	Modified Date

You can define multiple steps for each test case.

In the Validations Grid, enter 'Step Name'.

The 'Validation Step Type', 'Description', 'Expected Result' and 'Testing Comments' are optional. Click on the Save button.


Add New Test Step

Step Name *


Validation Step Type

Select


Description



Expected Result



Actual Result




- **Edit Step:** Click on the edit  icon to modify the validation steps.

#	Step Name	Step Type	Description	Created By	Created Date	Modified By	Modified Date	
1	Data Type Validation		Source data type and target data type should be same	Administrator	2015-08-11 13:37:17.73	Administrator	2015-08-11 13:37:17.73	 
2	Length of Data Type Check		Length of data types in both source and target should be equal	Administrator	2015-08-11 13:37:17.73	Administrator	2015-08-11 13:37:17.73	 

- **Delete Step:** Select the Validation step and click on the delete icon  to delete the Validation step.

Test Case Overview Validation Steps Document Upload							
#	Step Name	Step Type	Description	Created By	Created Date	Modified By	Modified Date
1	Data Type Validation		Source data type and target c	Administrator	2015-08-12 11:10:01.277	Administrator	2015-08-12 11:10:01.277
2	Length of Data Type Check		Length of data types in both s	Administrator	2015-08-12 11:10:01.28	Administrator	2015-08-12 11:10:01.28

Document Upload Tab:

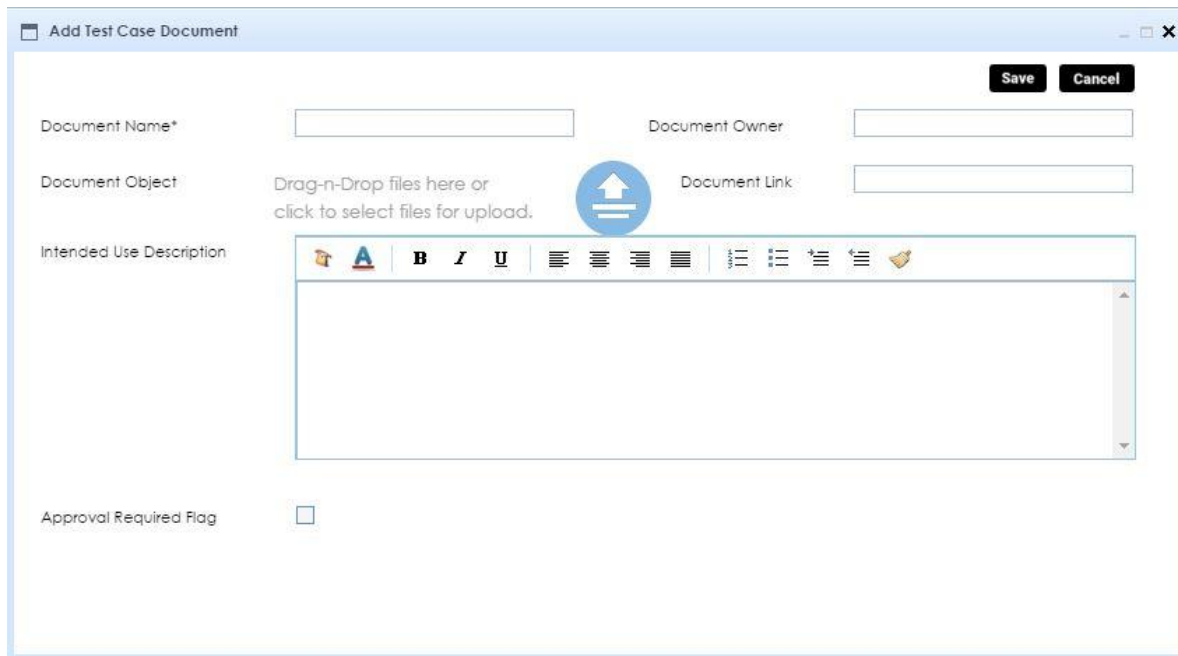
Click on the 'Document Upload' tab. Click on  icon to upload a new document/provide a document link.

#	Test Case Id	Test Case Name	Test Case Label	Type of Testing	Description	Created By	Created Date	Modified By	Modified Date
1	187	Mapping Doc Va	PTC_001		Verify mapping doc whether corres	Administrator	2015-08-12 11:10:01	Administrator	2015-08-12 11:10:01
2	188	Basic Table Valid	PTC_002		1. Validate the source and target fo	Administrator	2015-08-12 11:10:01	Administrator	2015-08-12 11:10:01
3	189	Constraint Valid	PTC_003		Ensure the constraints are defined fo	Administrator	2015-08-12 11:10:01	Administrator	2015-08-12 11:10:01
4	190	Data consistency	PTC_004		Data consistency issues	Administrator	2015-08-12 11:10:01	Administrator	2015-08-12 11:10:01
5	191	Correctness Valid	PCT_005		Data that is misspelled or inaccurate	Administrator	2015-08-12 11:10:01	Administrator	2015-08-12 11:10:01
6	192	Data Quality	PTC_006		Number check: Need to number ch	Administrator	2015-08-12 11:10:01	Administrator	2015-08-12 11:10:01
7	205	1				Administrator	2015-12-31 14:14:10	Administrator	2015-12-31 14:14:10
8	206	2				Administrator	2015-12-31 14:18:18	Administrator	2015-12-31 14:18:18

Records from 1 to 8 Page 1 25 rows per page




Test Case Overview Validation Steps Document Upload			
#	Document Name	Document Link	Intended Use Description







Enter Document name. Click on upload  icon to upload a document or provide the Document Link and click on save icon.








The form is titled "Add Test Case Document" and includes the following fields and controls:

- Document Name***: A text input field.
- Document Owner**: A text input field.
- Document Object**: A text input field.
- Document Link**: A text input field.
- Intended Use Description**: A rich text editor with a toolbar containing icons for bold, italic, underline, bulleted list, numbered list, link, unlink, and insert image.
- Approval Required Flag**: A checkbox.
- Save** and **Cancel** buttons.

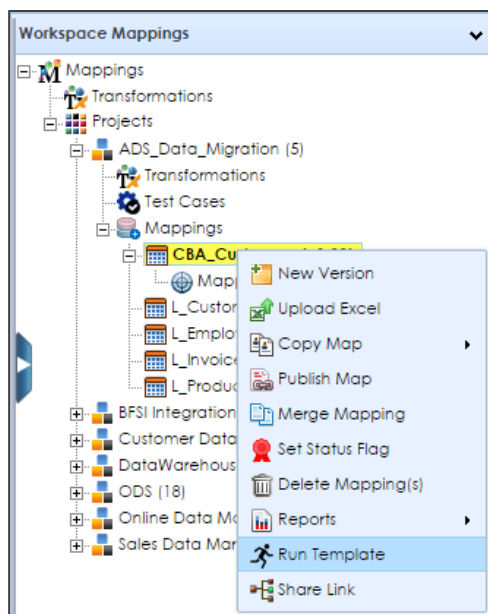
All the uploaded documents are listed with Document status and Intended description with preview () , edit () and delete () options specific to each uploaded document.

#	Document Name	Document Link	Document Status	Intended Use Description			
1	Test_Document						
2	Mapping_Spec_Document						

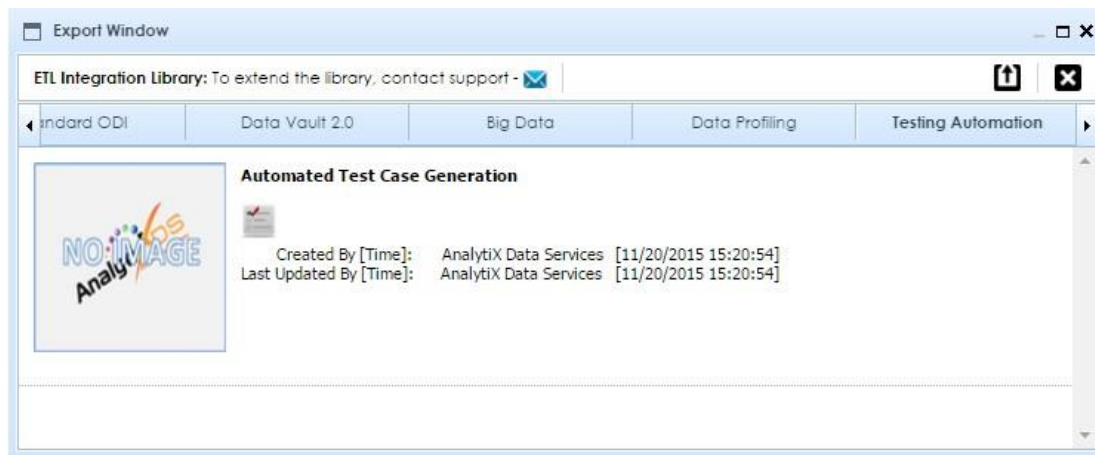
- Import Test Cases:** Click on import  icon to upload the test cases and spec details into AMM. Enter the test cases that you want to import in the Excel standard template (click on the  icon to download the Excel standard template) and import it into AMM.
- Export Test Cases:** Click on export  icon which provides a provision to export the test cases and all its associated information to the standard excel output
- Delete Test Cases:** Click on specific test case and click on  icon to delete the test case.
- Download Template:** Click on  icon to download the Excel based standard template used to import test cases and spec details into AMM.

Auto Generate Test Cases

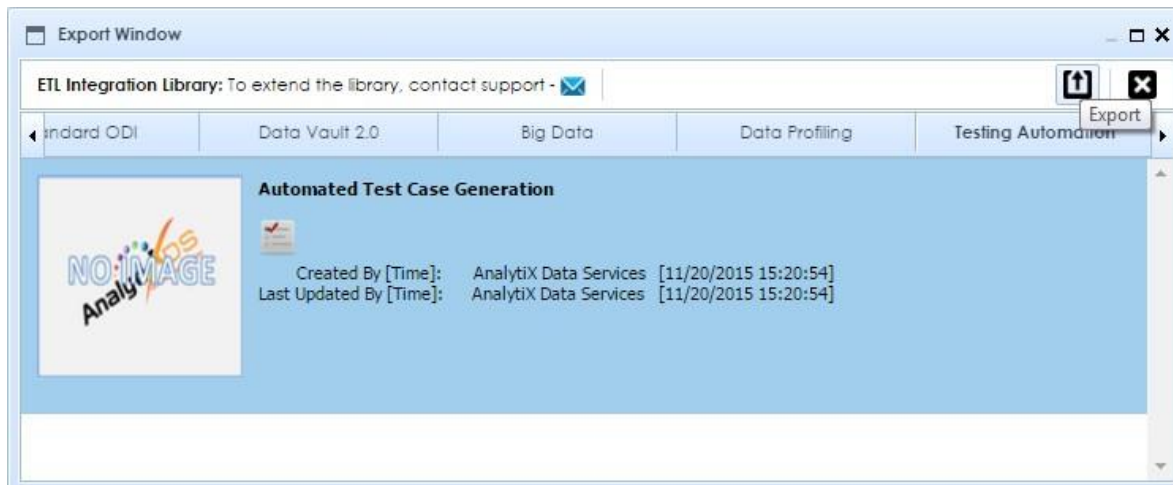
Right click on a Map and select 'Run template'.



In the window that opens, click on the 'Testing Automation' tab and select the 'Automated Test Case Generation' template.



Click on the Export icon  to auto generate the test cases and their results.



It is exported into a downloadable zip file.

Download and extract the zip file which contains the auto generated test cases along with the results (test execution status) in csv format.

Integration with HP-ALM:

Analytix Mapping Manager provides an option to integrate with HP ALM and export the test cases from different projects into AMM and vice versa. It allows to Sync Additional fields from ALM into AMM

ALM is configured under "Miscellaneous" section within the settings tab


Click on the Slider menu. Go to 'Settings' and click on 'Miscellaneous' option.



Click on the 'ALM Configuration' tab.

Email Settings	Language Settings	Login Images	ALM Configuration
<div>Domain* : <input type="text"/></div> <div>User Name* : <input type="text"/></div> <div>Password* : <input type="password"/></div> <div>Project* : <input type="text"/></div> <div>URL* : <input type="text"/></div>			

Click on edit  icon and enter the configuration details.

Use the 'Test Connection'  icon to test for successful connectivity to the ALM server prior to saving the configuration details. Once the connection is tested successfully, save the configuration details.

Email Settings

Language Settings

Login Images

ALM Configuration

Domain* :
User Name* :
Password* :
Project* :
URL* :

Go to the 'Mapping Manager' module to export the test case from ALM into AMM.

Select any project in the Project browser and click on a Map. In the 'Additional Mapping Information' grid, click on the 'Test Specification' tab.

Workspace Mappings

Mappings

Transformations

Projects

ADS_Data_Migration (5)

Transformations

Test Cases

Mappings

CBA_Customers (v1.00)

MappingTargets

L_Customers (v1.01)

L_Employees (v1.00)

L_Invoices (v1.00)

L_Products (v1.00)

BFSI Integration (0)

Customer Data Mart (26)

DataWarehouse (60)

ODS (18)

Online Data Mart (1)

Sales Data Mart (5)

Published Mappings

Mapping Specification

Additional Mapping Information

User Defined1

User Defined2

User Defined3

User Defined4

User Defined5

Extended Properties

Test Specification

+

⌂

↑

↓

hp

✓

✖

#	Test Case Id	Test Case Name	Test Case Label	Type of Testing	Description	Priority	Test Case Status	Map/Target Table/Project	Test Ca Copied
1	1	History Row Count	History-Volumetric	Data Completen	select all reco			P	
2	2	Daily Row Count	Daily-Volumetric	Incremental ETL	ensure all reco			P	
3	3	Column Nullability	Column Nullability	Data Completen	The CAT (Chec			P	
4	4	Ensure Metadata fi	Metadata Tags St	Data Transformati	Ensure every to			P	

Records from 1 to 16

Page 1

25 rows per page

Test Case Overview

Validation Steps

Document Upload

Test Case Id

1

External Test Case Id

Test Case Name*

History Row Count Volumetrics

Test Case Label


History-Volumetrics





Type of Testing

Data Completeness Testing

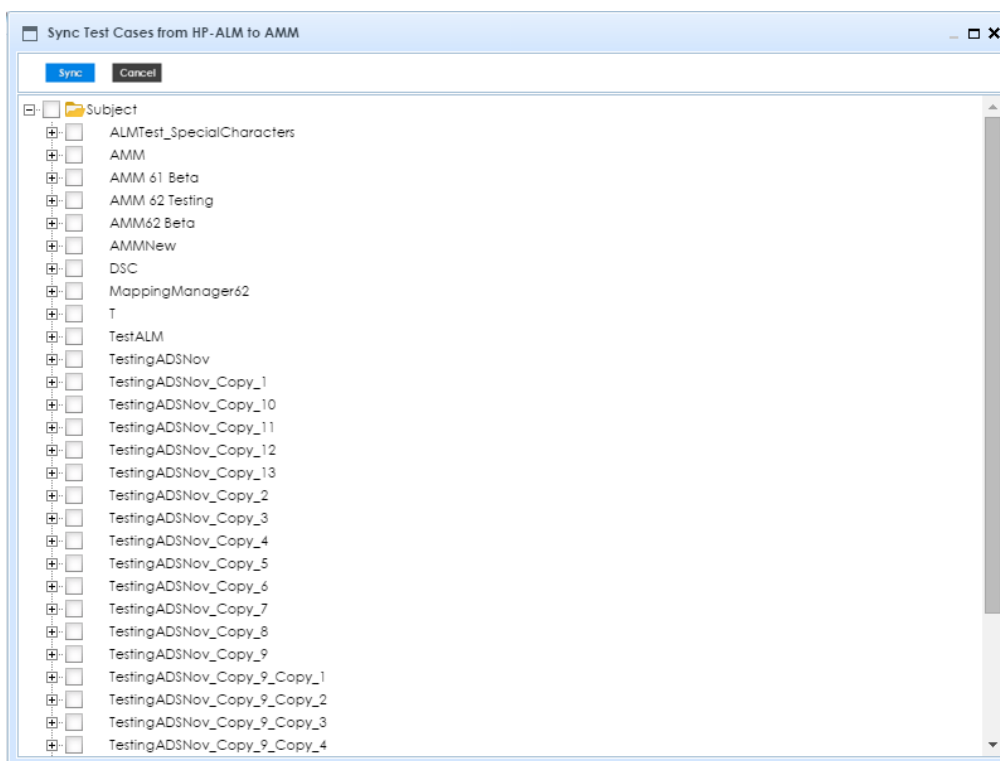
Test SQL Script

select count * from %TableName% where meta_load_date >= sysdate -3

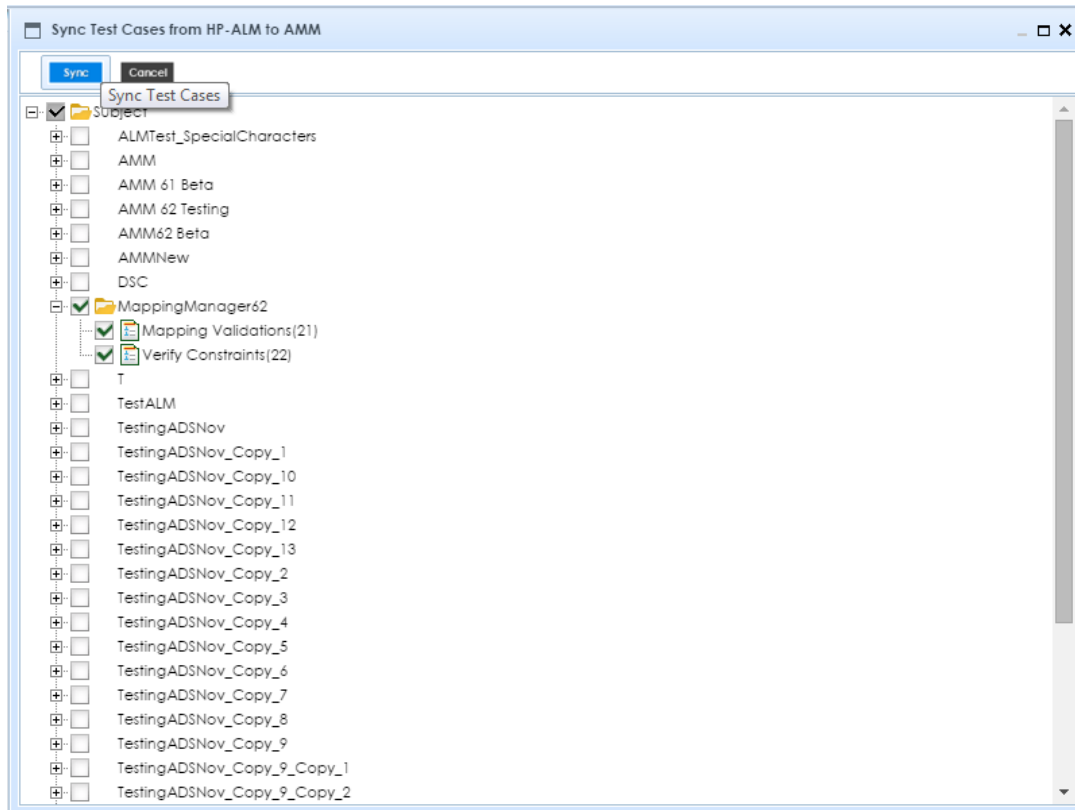
Click on the HP ALM icon  to sync the Test Cases with ALM.

Mapping Specification									
Additional Mapping Information									
Level of Effort User Defined1 User Defined2 User Defined3 User Defined4 User Defined5 Extended Properties Test Specification Graphical View									
   									
#	Test Case Id	Test Case Name	Test Case Label	Type of Testing	Description	Priority	Test Case Status	Map/Target Table/Project	Sync Test Cases with ALM
1	1	History Row Count Volume	History-Volumetrics	Data Completeness Test	select all records fro			P	
2	2	Daily Row Count Volume	Daily-Volumetrics	Incremental ETL Testing	ensure all records ar			P	
3	3	Column Nullability Testing	Column Nullability	Data Completeness Test	The CAT (CheckCol			P	
4	4	Ensure Metadata fields on	Metadata Tags Standar	Data Transformation Test	Ensure every table h			P	
5	5	Validate Load Control Log	Load Control Validation	Production Validation Te	validate all batch id			P	
6	6	Validate Every Transforma	Validate Transform Rule	Production Validation Te	every transformation			P	

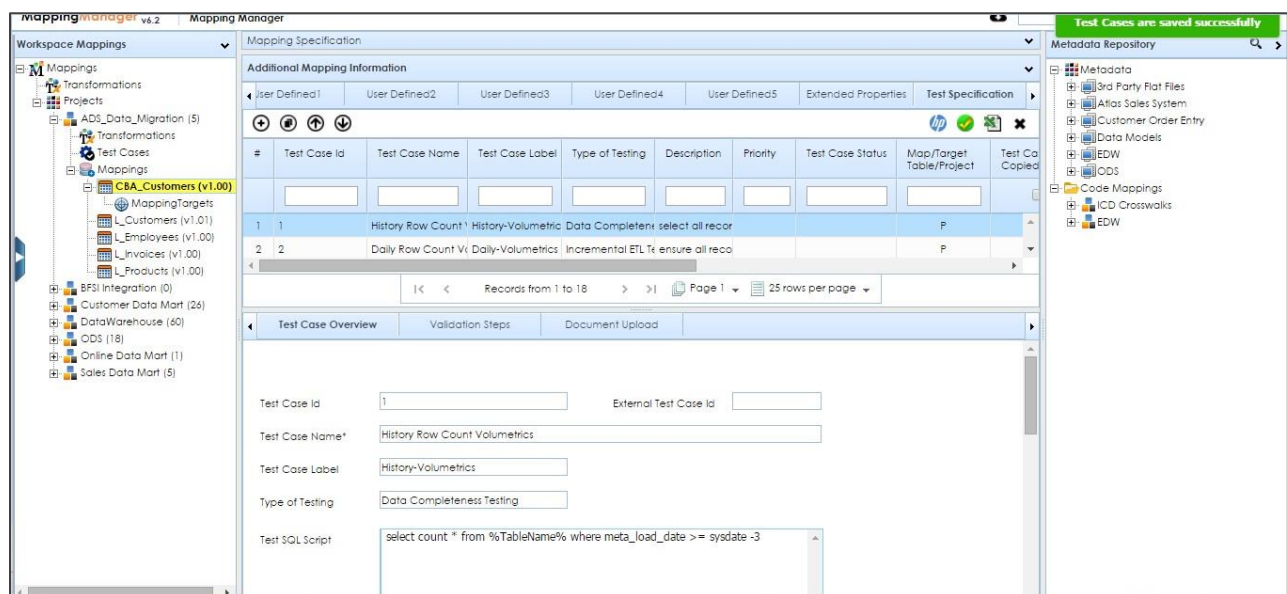
It displays a wizard with the list of subjects from HP ALM.



Select the required subjects from the list and click on “**Sync**” icon to sync the test cases.

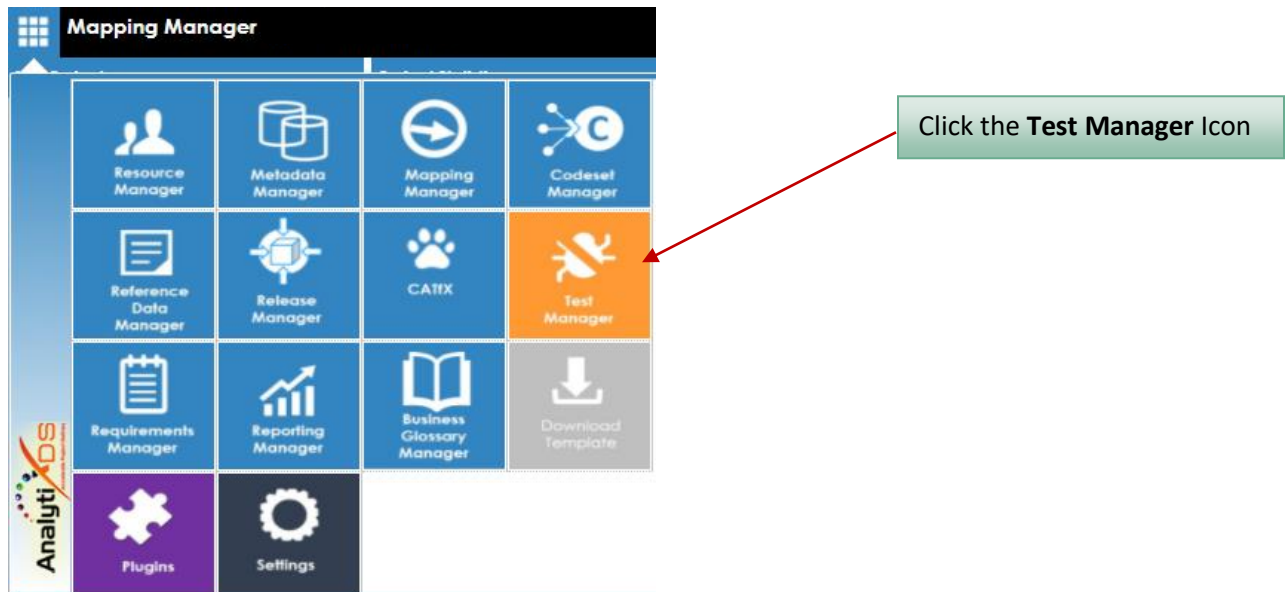


Test Cases are exported from ALM into AMM and are saved successful and vice versa.

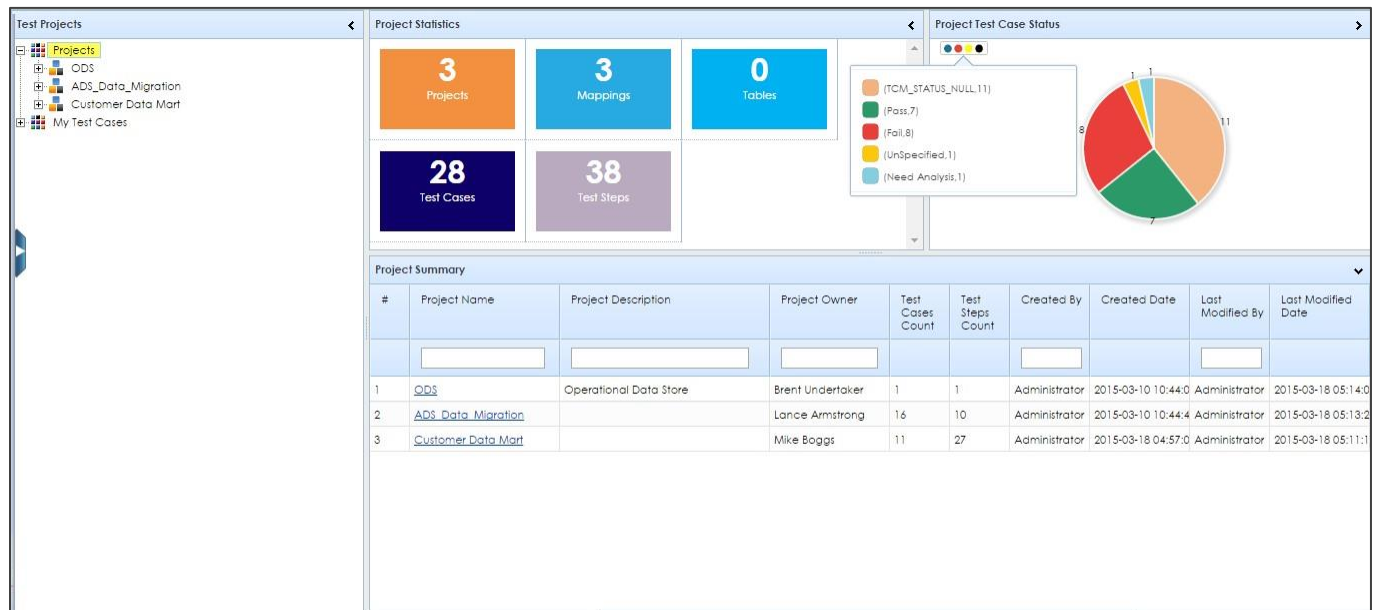


Test Manager Module:

Click on the “**Test Manager**” icon on the Launchpad menu to access the Test Manager module

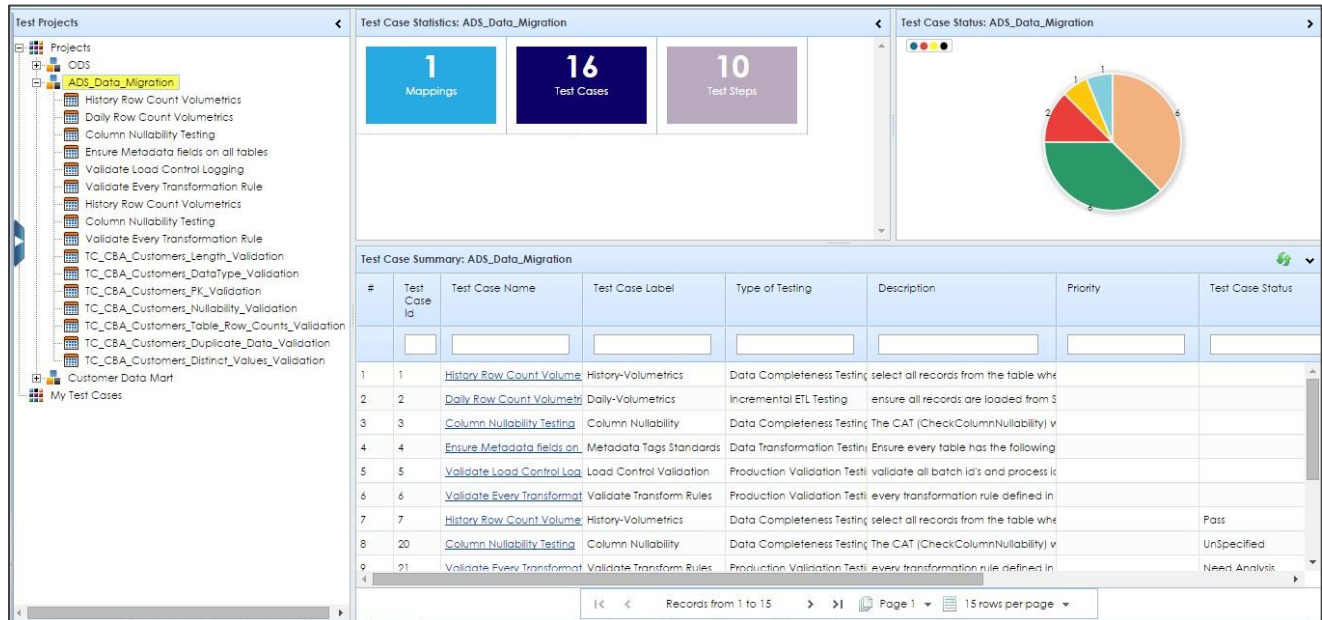


Test Manager gives a consolidated overview of the 'Project Statistics' and the 'Test Case Status' and its Summary in dashboard view in detail.

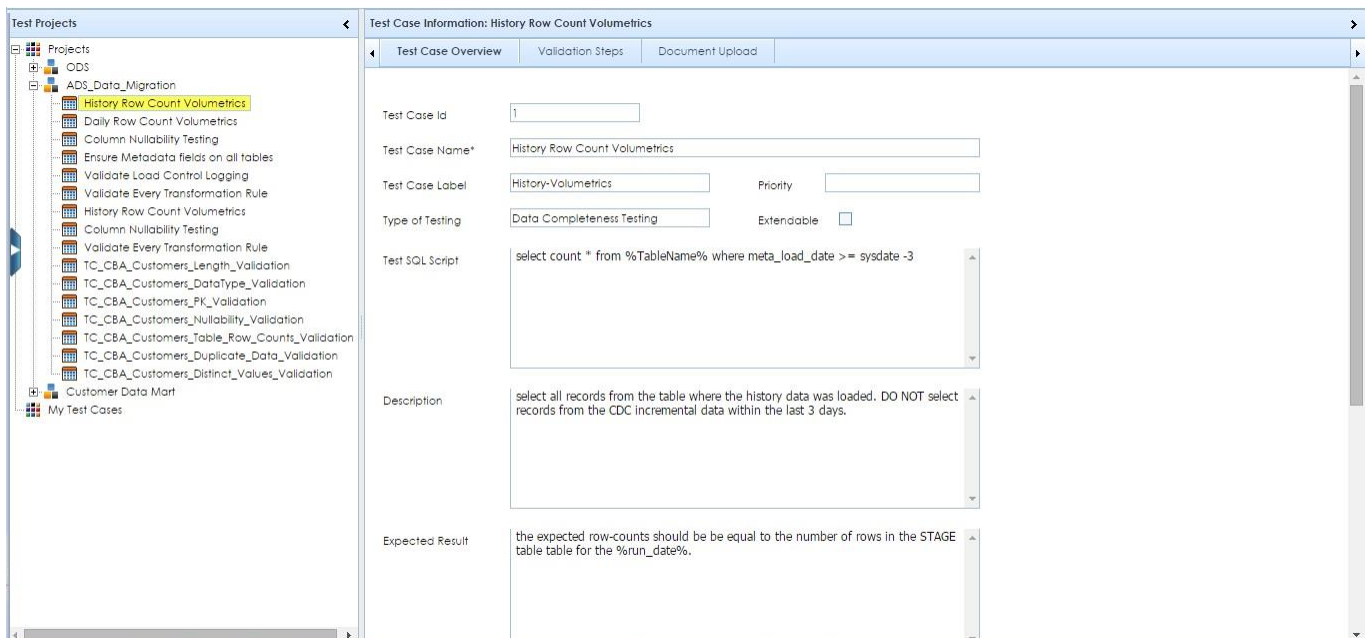


Note: The mouse hover over the color code in the Project Test Case status grid gives a detailed list of test status as how many are passed, failed, need analysis, etc. in a graphical view.

Click on any project to view the related test cases with Test Case Statistics, Test Case Summary and Test Case Status.



Click on any test case to view the test case information and its history. The Test Case Overview details are displayed. You can also view the Validation Steps details and the Document Upload details.



The screenshot shows the 'Test Case Information: History Row Count Volumetrics' form. It includes fields for Test Case Id, Test Case Name, Test Case Label, Priority, Type of Testing, and Test SQL Script. The Description and Expected Result fields are also present.

Test Case Id: 1

Test Case Name: History Row Count Volumetrics

Test Case Label: History-Volumetrics

Priority:

Type of Testing: Data Completeness Testing

Extendable: ☐

Test SQL Script:

```
select count * from %TableName% where meta_load_date >= sysdate -3
```

Description:

select all records from the table where the history data was loaded. DO NOT select records from the CDC incremental data within the last 3 days.

Expected Result:

the expected row-counts should be equal to the number of rows in the STAGE table table for the %run_date%.

Click on the Validation Steps tab. The existing steps are displayed in the 'validation steps' grid. Click on any 'Step Name'.

Test Projects		Test Case Information: Basic Table Validations								
<div> <div>Projects</div> <ul style="list-style-type: none"> DataWarehouse ADS_Data_Migration Sales Data Mart <ul style="list-style-type: none"> Mapping Doc Validation Basic Table Validations Constraint Validation Data consistency Validation Correctness Validation Data Quality Tc_008 Tc_002 </div>		<div> <div>Test Case Overview</div> <div>Validation Steps</div> <div>Document Upload</div> </div>								
#	Step Name	Step Type	Step Status	Description	Expected Result	Actual Result	Created By	Created Date	Modified By	Modified Date
1	Data Type Validation			Source data typ			Administrator	2015-08-11 13:37:17	Administrator	2015-08-11 13:37:17
2	Length of Data Type Check			Length of data			Administrator	2015-08-11 13:37:17	Administrator	2015-08-11 13:37:17
3	Truncation Check			Source data typ			Administrator	2015-08-11 13:37:17	Administrator	2015-08-11 13:37:17
4	Verify Correctness of Column			Validate the na			Administrator	2015-08-11 13:37:17	Administrator	2015-08-11 13:37:17

A pop up window appears which displays the details of the Validation step.

Test Step: Data Type Validation

Select Step Name

Data Type Validation

Validation Step Type

Step Status

Step Name

Data Type Validation

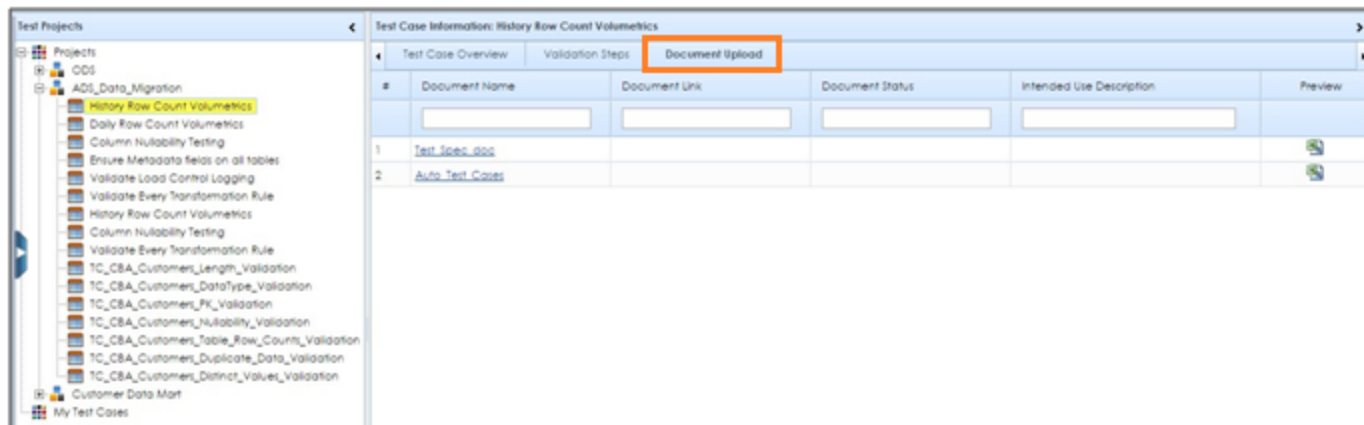
Description

Source data type and target data type should be same



Expected Result

Actual Result

Click on the Document Upload tab. The existing documents are displayed in the grid.

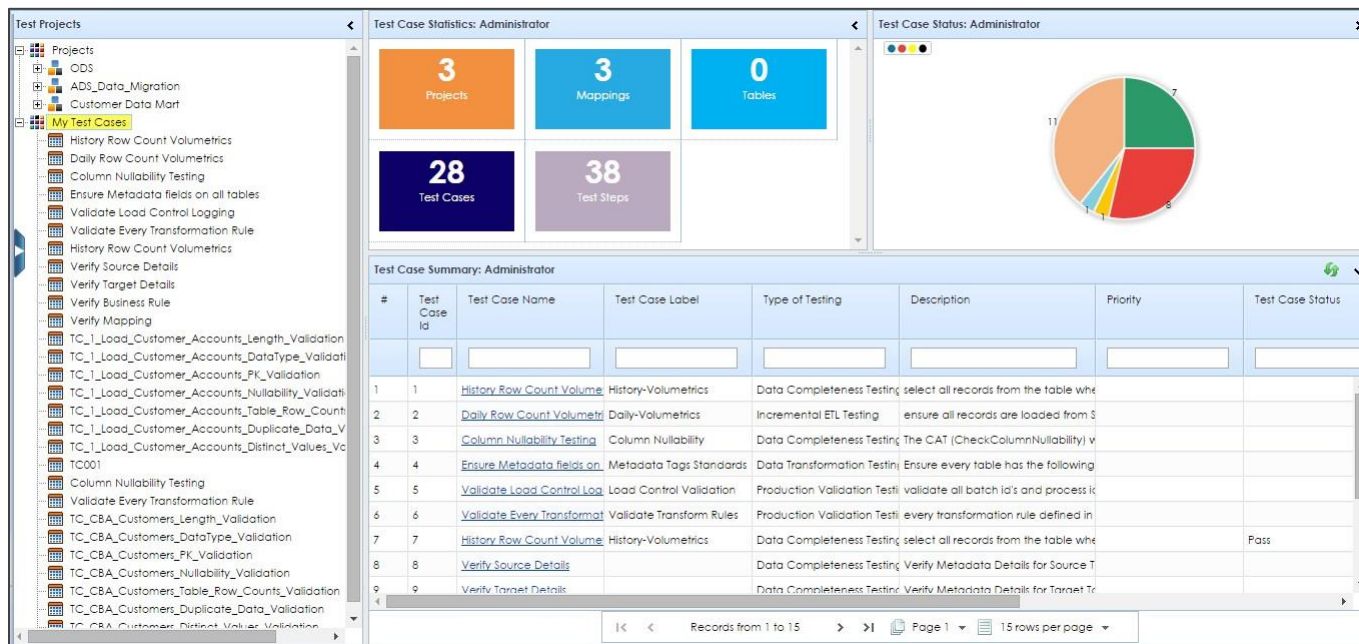


The screenshot shows the 'Document Upload' tab selected in the 'Test Case Information: History Row Count Volumetrics' section. The left sidebar shows a tree view of projects, with 'History Row Count Volumetrics' highlighted. The main area displays a table with columns: #, Document Name, Document Link, Document Status, Intended Use Description, and Preview. Two documents are listed: 'Test Spec.doc' and 'Auto Test Cases'.

#	Document Name	Document Link	Document Status	Intended Use Description	Preview
1	Test Spec.doc				
2	Auto Test Cases				

My Test Cases:

You can view the test cases specific to each user under 'My Test cases' along with Test Case Statistics, Test Case Summary and Test Case Status details.



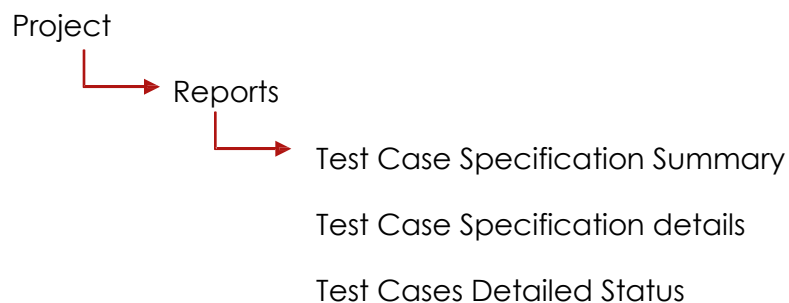
The screenshot shows the 'My Test Cases' section. The left sidebar shows a tree view of projects, with 'My Test Cases' highlighted. The main area displays 'Test Case Statistics: Administrator' with a summary of 3 Projects, 3 Mappings, 0 Tables, 28 Test Cases, and 38 Test Steps. A pie chart shows the distribution of test case statuses. Below the statistics is a 'Test Case Summary: Administrator' table.

#	Test Case Id	Test Case Name	Test Case Label	Type of Testing	Description	Priority	Test Case Status
1	1	History Row Count Volumetrics	History-Volumetrics	Data Completeness Testing	select all records from the table whe		
2	2	Daily Row Count Volumetrics	Daily-Volumetrics	Incremental ETL Testing	ensure all records are loaded from S		
3	3	Column Nullability Testing	Column Nullability	Data Completeness Testing	The CAT (CheckColumnNullability) v		
4	4	Ensure Metadata fields on all tables	Metadata Tags Standards	Data Transformation Testing	Ensure every table has the following		
5	5	Validate Load Control Logging	Load Control Validation	Production Validation Testing	validate all batch id's and process k		
6	6	Validate Every Transformation Rule	Validate Transform Rules	Production Validation Testing	every transformation rule defined in		
7	7	History Row Count Volumetrics	History-Volumetrics	Data Completeness Testing	select all records from the table whe		Pass
8	8	Verify Source Details		Data Completeness Testing	Verify Metadata Details for Source T		
9	9	Verify Target Details		Data Completeness Testing	Verify Metadata Details for Target T		

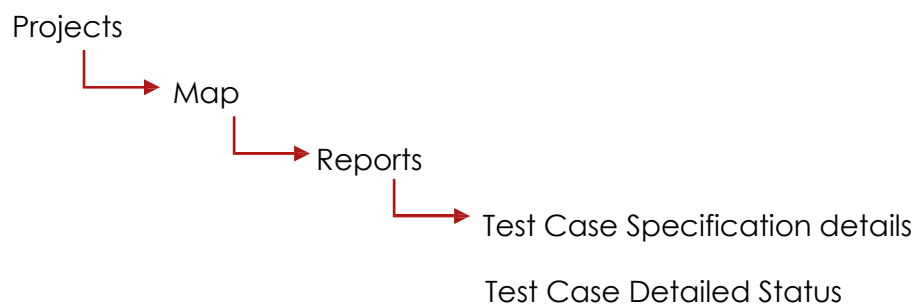
Test Case Reports:

Test Case reports can be generated at Project level and Map level.

Project Level: In the Mapping Manager module, right click on the project node and click on Reports to view different test case reports.



Map Level: Click on the project node, right click on the Map and click on Reports to view the test case reports



Test Manager Settings:

Click on Settings icon on the Launcher menu and click on Test Manager to configure and add test case type name.



Test Case Type Name								
#	Test Case Type Name	Published	Created By	Created Date	Last Modified By	Last Modified Date	Edit	Delete
1	ALT-SCENARIO	Y	SYSTEM	2016-04-06 19:21:53.827	SYSTEM	2016-04-06 19:21:53.827		
2	Application Upgrades	Y	SYSTEM	2016-04-06 19:21:53.827	SYSTEM	2016-04-06 19:21:53.827		
3	Data Completeness Testing	Y	SYSTEM	2016-04-06 19:21:53.827	SYSTEM	2016-04-06 19:21:53.827		
4	Data Transformation Testing	Y	SYSTEM	2016-04-06 19:21:53.827	SYSTEM	2016-04-06 19:21:53.827		
5	GUI/Navigation Testing	Y	SYSTEM	2016-04-06 19:21:53.827	SYSTEM	2016-04-06 19:21:53.827		
6	Incremental ETL Testing	Y	SYSTEM	2016-04-06 19:21:53.827	SYSTEM	2016-04-06 19:21:53.827		
7	LR-SCENARIO	Y	SYSTEM	2016-04-06 19:21:53.827	SYSTEM	2016-04-06 19:21:53.827		
8	MANUAL	Y	SYSTEM	2016-04-06 19:21:53.827	SYSTEM	2016-04-06 19:21:53.827		
9	Metadata Testing	Y	SYSTEM	2016-04-06 19:21:53.827	SYSTEM	2016-04-06 19:21:53.827		
10	PERFORMANCE-TEST	Y	SYSTEM	2016-04-06 19:21:53.827	SYSTEM	2016-04-06 19:21:53.827		
11	Production Validation Testing	Y	SYSTEM	2016-04-06 19:21:53.827	SYSTEM	2016-04-06 19:21:53.827		
12	QAINSPECT-TEST	Y	SYSTEM	2016-04-06 19:21:53.827	SYSTEM	2016-04-06 19:21:53.827		
13	Source to Target Testing	Y	SYSTEM	2016-04-06 19:21:53.827	SYSTEM	2016-04-06 19:21:53.827		
14	SYSTEM-TEST	Y	SYSTEM	2016-04-06 19:21:53.827	SYSTEM	2016-04-06 19:21:53.827		
15	VAPI-XP-TEST	Y	SYSTEM	2016-04-06 19:21:53.827	SYSTEM	2016-04-06 19:21:53.827		

Click on Add icon to add the Test Case type which can be used at Project/Map and Metadata level while creating test cases from drop down.

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Enter the Test case type and if required you can publish the test case type if required to get viewed in the "Type of Testing" drop down.

Mapping Manager

Test Manager Settings

Test Case Type Name is successfully added.

#	Test Case Type Name	Published	Created By	Created Date	Last Modified By	Last Modified Date	Edit	Delete
1	ALT-SCENARIO	Y	SYSTEM	2016-04-06 19:21:53.827	SYSTEM	2016-04-06 19:21:53.827		
2	Application Upgrades	Y	SYSTEM	2016-04-06 19:21:53.827	SYSTEM	2016-04-06 19:21:53.827		
3	Data Completeness Testing	Y	SYSTEM	2016-04-06 19:21:53.827	SYSTEM	2016-04-06 19:21:53.827		
4	Data Transformation Testing	Y	SYSTEM	2016-04-06 19:21:53.827	SYSTEM	2016-04-06 19:21:53.827		
5	GUI/Navigation Testing	Y	SYSTEM	2016-04-06 19:21:53.827	SYSTEM	2016-04-06 19:21:53.827		
6	Incremental ETL Testing	Y	SYSTEM	2016-04-06 19:21:53.827	SYSTEM	2016-04-06 19:21:53.827		
7	LR-SCENARIO	Y	SYSTEM	2016-04-06 19:21:53.827	SYSTEM	2016-04-06 19:21:53.827		
8	MANUAL	Y	SYSTEM	2016-04-06 19:21:53.827	SYSTEM	2016-04-06 19:21:53.827		
9	Metadata Testing	Y	SYSTEM	2016-04-06 19:21:53.827	SYSTEM	2016-04-06 19:21:53.827		
10	Metadata validation	Y	Administrator	2016-04-25 11:59:28.767	Administrator	2016-04-25 11:59:28.767		
11	PERFORMANCE-TEST	Y	SYSTEM	2016-04-06 19:21:53.827	SYSTEM	2016-04-06 19:21:53.827		
12	Production Validation Testing	Y	SYSTEM	2016-04-06 19:21:53.827	SYSTEM	2016-04-06 19:21:53.827		
13	QAINSPCT-TEST	Y	SYSTEM	2016-04-06 19:21:53.827	SYSTEM	2016-04-06 19:21:53.827		
14	Source to Target Testing	Y	SYSTEM	2016-04-06 19:21:53.827	SYSTEM	2016-04-06 19:21:53.827		
15	SYSTEM-TEST	Y	SYSTEM	2016-04-06 19:21:53.827	SYSTEM	2016-04-06 19:21:53.827		
16	VAPI-XP-TEST	Y	SYSTEM	2016-04-06 19:21:53.827	SYSTEM	2016-04-06 19:21:53.827		

The same added test case type can be viewed in the drop down as below at Project/Map level while adding test cases.

Add New Test Case

Test Case Overview

Validation Steps

Document Upload

Save & Continue

Save & Exit

Cancel

Test Case Name*

Test Case Label

Priority

Select

Type of Testing

Select

Extendable

Test SQL Script

Description

Expected Result

MANUAL

ALT-SCENARIO

LR-SCENARIO

PERFORMANCE-TEST

QAINSPCT-TEST

SYSTEM-TEST

VAPI-XP-TEST

Metadata validation